



Muhammad Shamim Shoaib

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ABOUT ME

A recent Computer Science graduate from the University of Baltistan, Skardu, currently working as a Full Stack Engineer at Bluell AB. Through my degree and professional work I have gained solid experience in modern web and mobile development using Next.js, Flutter, Firebase, Prisma and Node.js. While my hands-on knowledge of Artificial Intelligence and Machine Learning is still growing, I am deeply motivated to learn and contribute in this field. Projects like Gear-Aid (an award-winning mechanic assistance app), an AI-powered interview platform using Ollama, and a lung cancer detection system have sparked my strong interest in applied AI, especially in healthcare, security, and intelligent systems. I am looking for a research or advanced learning opportunity where I can further develop my AI skills, work alongside experienced researchers, and make meaningful contributions from day one.

WORK EXPERIENCE

Bluell AB – Rawalpindi, Pakistan

Application software developer

[27/05/2025 – Current]

As a Full Stack Developer, I design, develop, and maintain scalable web and mobile applications using Next.js, Flutter, Prisma, and Firebase. My responsibilities include building responsive interfaces, developing REST APIs, and implementing secure authentication with Firebase Auth and Firestore. I leverage technologies such as Node.js, Express.js, MongoDB, and React to deliver high-performance solutions across platforms. I collaborate with UI/UX teams to create intuitive designs using Figma, manage version control through Git, and conduct API testing with Postman. My role also involves integrating AI and LLM-based automation (Ollama) into product workflows to enhance intelligence and user experience. Known as a quick learner and proactive problem solver, I contribute to innovative solutions while fostering effective teamwork and clear communication within cross-functional teams.

EDUCATION AND TRAINING

Bachelor of Science in Computer Science

University of Baltistan Skardu, Pakistan [01/03/2021 – 13/02/2025]

Address: 47040 Skardu (Pakistan) | Website: <http://uobs.edu.pk> | Final grade: 3.57/4.0 | Thesis: Gear-Aid

Intermediate

Punjab group of College [01/03/2018 – 01/05/2020]

City: Lahore | Country: Pakistan | Website: <https://pgc.edu>

SKILLS

Jupyter notebook / C/C++ / Python / Microsoft Office / HTML / C# scripting / CSS / understand spoken English / SQL / TypeScript / JavaScript / Javascript (React.js) / NodeJs (ExpressJs) / Network Simulation / GNU Radio (Basic) / MATLAB (basic) / Firebase: Firestore, FirebaseAuth, Firestore, RealTime database / Programming: Python, Java, R, Dart (Flutter) / Web Frontend: ReactJS, NextJS, Nodejs, Bootstrap 5, Tailwindcss, Flexbox / Experience in using Postman tools for API testing. / API Security / Git/Github, Docker, Gitlab / collaborate with designers / cooperate with colleagues / solve problems / communication / Data Processing & Analysis / LLM Integration (Ollama) / AI Chatbots

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING B2 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROJECTS

[07/04/2024 – 11/10/2024]

Final Year Project- Gear-Aid Gear-Aid is an online mechanic service provider mobile application designed to assist users when their vehicles break down, functioning much like first-aid but for vehicles. It connects service users with available

[06/05/2024 – 17/05/2024]

Twitter Sentiment Analysis Semester Project

Developed a Twitter Sentiment Analysis project as part of the semester coursework, utilizing natural language processing (NLP) techniques to analyze and classify Twitter data based on sentiment. Implemented data scraping, text pre-processing, and sentiment classification algorithms to assess public opinion on various topics, providing insights through visualized results

[13/07/2024 – 07/09/2024]

Lung Cancer Detection and Stage Identification Semester Project

Developed a project focused on detecting lung cancer and identifying its stages using machine learning algorithms. The project involved preprocessing medical imaging data, applying classification techniques, and implementing a model to accurately detect cancerous cells and determine the stage of the disease. The objective was to improve early diagnosis, enhance treatment planning, and contribute to reducing the death ratio caused by lung cancer.

[14/07/2025 – Current]

AI Interview Platform Tech Stack: Next.js, Prisma, Firebase, LLM (Ollama), Gemini API

Developing an AI-powered platform to simulate real interview experiences using large language models. Integrated real-time candidate assessment, structured question flow, and company-based role simulation.

[02/2025 – 04/2025]

E-Commerce App Tech Stack: Flutter, Firebase

Created a fully functional e-commerce application with product listings, user login, and a shopping cart. Designed a clean, responsive UI and integrated Firebase Firestore for real-time data handling

VOLUNTEERING

[01/08/2023 – 01/01/2025] Pakistan

E-gaming Head of the UOBS Computing Society

Established the E-Gaming Club within the Computing Society, leading university-level gaming events to foster student engagement and collaboration. Managed teams and promoted a vibrant e-gaming culture, enhancing campus visibility and teamwork.

[02/03/2021 – 01/03/2025] Skardu, Pakistan

Volunteer at University Convocation

Volunteered during the university convocation ceremonies, providing support to ensure the event ran smoothly and successfully

[01/05/2018 – Current] Skardu, Pakistan

Blood Donation Drives

Organized and participated in multiple blood donation drives, contributing to critical healthcare needs and saving lives.

[10/08/2024 – 18/08/2024] Skardu, Pakistan

Tech Expo and Fun Fair 2024

Volunteered in organizing the Tech Expo and Fun Fair 2024 by the UOBS Computing Society, supporting event coordination and ensuring seamless execution of competitions and activities.

HONOURS AND AWARDS

[05/12/2023] Government of Pakistan

Awarded Prime Minister Laptop Recipient of the Prime Minister's Laptop Scheme (2023), awarded by the Government of Pakistan, in recognition of outstanding academic performance as a position holder in the batch

[09/12/2024] University of Baltistan Skardu

Certificate of Appreciation for Showcasing the Project "Gear-Aid" Awarded by the University of Baltistan Skardu, Department of Computer Science (in collaboration with UOBS Computing Society and PakChemia), for valuable contribution and dedication in successfully showcasing the project "GearAid – Vehicle Maintenance App" at the Tech Expo and Fun Fair 2024. Recognized by judges for its innovation and practicality.

[09/12/2024] Aga Khan Rural Support Programme (AKRSP)

Certificate of Participation in 21st Century Skills Training University of Baltistan Skardu, Directorate of Professional and Skills Development (in collaboration with AKRSP) Completed a five-day training on 21st-century skills from November 18 to 22, 2024.

[09/12/2024] University of Baltistan Skardu

Certificate of Appreciation for Tech Expo and Fun Fair 2024 University of Baltistan Skardu, Department of Computer Science (in collaboration with UOBS Computing Society and PakChemia) Recognized as E-Gaming Head for active participation and contributions to the Tech Expo and Fun Fair 2024 organized by the UOBS Computing Society.

CERTIFICATIONS

[Microsoft, 03/07/2025]

Introduction to Data Analysis using Microsoft Excel Developed practical skills in data cleaning, transformation, and exploratory analysis using Excel. Gained experience with formulas, analytical functions, pivot tables, and data visualization techniques to extract insights and support data-driven decision-making.

Mode of learning: Online

Link: <https://coursera.org/verify/E30D72CZ445R>

[Coursera, 08/06/2025]

Create a Lead Generation Messenger Chatbot using Chatfuel Built an automated lead-generation chatbot in Chatfuel with structured conversational flows, user segmentation, and automated responses. Implemented lead-capture forms, integrations, and follow-up sequences to enhance customer engagement and streamline marketing conversions.

Mode of learning: Online

Link: <https://coursera.org/verify/5C2OXO5O8OH7>

[Coursera]

Azure: create a REST API using NodeJS Serverless Functions Developed a cloud-based REST API using Azure Functions and Node.js. Gained hands-on experience with serverless architecture, HTTP triggers, routing, environment configuration, and API deployment on Azure. Implemented scalable, event-driven functions and learned best practices for cloud API development.

Link: <https://coursera.org/verify/E6215HY7DDI4>

[Coursera, 10/07/2025]

Build a computer vision app with Azure Cognitive Services Developed a computer vision application using Azure Cognitive Services, leveraging pre-built AI models for image recognition, object detection, and text extraction. Gained hands-on experience integrating APIs, processing visual data, and implementing intelligent features for real-world applications.

Mode of learning: Online

Link: <https://coursera.org/verify/4S28F6ZSQ2XP>

[Coursera, 10/07/2025]

Google Ads for Beginners Acquired foundational knowledge of Google Ads, including campaign setup, keyword research, ad creation, bidding strategies, and performance tracking. Gained hands-on experience in optimizing ads for higher engagement, conversions, and ROI.

Mode of learning: Online

Link: <https://coursera.org/verify/Y0634UFM9HAO>

[Coursera, 10/07/2025]

Business Analysis & Process Management Learned key concepts of business analysis, including requirements gathering, process modeling, and workflow optimization. Gained practical skills in analyzing business processes, identifying inefficiencies, and proposing data-driven solutions to improve organizational performance.

Mode of learning: Online

Link: <https://coursera.org/verify/96CQWN2WCXFN>

[Coursera, 23/07/2025]

Introduction to Project Management with ClickUp Gained hands-on experience in project planning, task management, and team collaboration using ClickUp. Learned to create project timelines, assign tasks, track progress, and optimize workflows for efficient project execution.

Mode of learning: Online

Link: <https://coursera.org/verify/0UG1UU0XO5PB>

[Langchain Academy, 20/10/2025]

Foundation: Introduction to Agent Observability & Evaluations Learned the fundamentals of agent observability, monitoring, and performance evaluation in AI systems. Gained hands-on experience tracking agent behaviors, analyzing outputs, and implementing evaluation metrics to improve reliability and effectiveness of AI workflows.

Mode of learning: Online

Link: <https://academy.langchain.com/certificates/v6q7qn0ell>

CONFERENCES AND SEMINARS

University of Baltistan, Skardu

Workshop on L^AT_EX Attended a hands-on L^AT_EX workshop organized by the Department of Computer Science, University of Baltistan, Skardu (UOBS) in September 2022. Gained expertise in using L^AT_EX for professional academic and technical document creation, with a focus on practical applications and advanced formatting techniques.

University of Baltistan, Skardu

Workshop on Artificial Intelligence Participated in a comprehensive workshop focused on the fundamentals and applications of Artificial Intelligence, including its emerging trends and practical implementations.

University of Baltistan, Skardu

Two-Day International Multidisciplinary Conference *Challenging Boundaries: Integrating Natural and Social Sciences for Effective GLOF Mitigation* Participated in a conference jointly organized by the University of Baltistan, Skardu, the United Nations Development Programme (UNDP), and the Government of Pakistan. The event focused on interdisciplinary strategies for mitigating Glacial Lake Outburst Floods (GLOF), fostering collaboration between natural and social sciences to address critical environmental challenges.

University of Baltistan, Skardu

3rd International Conference on The Yak Attended the 3rd International Conference on The Yak at the University of Baltistan, Skardu, where experts discussed sustainable management and conservation of Yak populations. The conference focused on strategies for improving livestock management and promoting conservation efforts in mountainous regions.

RECOMMENDATIONS

Name: Dr. Jawad Usman Arshad | Head of Department Computer Science

Mr. Muhammad Shamim Shoaib, a BSCS student (Reg. No: 2021-UOBS-417) at the University of Baltistan, Skardu, is diligent, adaptable, and academically excellent. He demonstrates strong teamwork, independent working skills, and a keen eagerness to learn. I highly recommend him for your Master's program, confident in his ability to excel in research and advanced studies.

Email: jawad.arshad@uobs.edu.pk | **Phone number:** (+92) 3469030363

Name: Ms. Hasin Bano | Lecturer

I highly recommend Mr. Muhammad Shamim Shoaib, a graduate of the Department of Computer Science, University of Baltistan, Skardu. He is dedicated, hardworking, and intellectually curious, excelling in both theoretical and practical aspects of his field. With strong problem-solving, teamwork, and English communication skills, he is well-prepared to succeed in advanced studies or professional opportunities.

Email: hasin.bano@uobs.edu.pk | **Phone number:** (+92) 3448830990

PROFESSIONAL TRAINING AND COURSES

[01/08/2025 – 15/12/2025]

Game Development with Unity 3D

Offered by Hazza Institute of Technology <https://hazzainstitute.org>

Completed a hands-on course in Game Development using Unity 3D, focusing on creating interactive and immersive 3D games. The course covered core Unity concepts, game mechanics, physics, scripting, and optimization techniques to develop engaging games for multiple platforms.

[01/08/2025 – 15/12/2025]

Flutter Development

Offered by Hazza Institute of Technology <https://hazzainstitute.org>

Completed a comprehensive course on Flutter Development, focused on building cross-platform mobile applications. The course covered core Flutter concepts, UI/UX design principles, and practical implementation techniques for developing efficient and scalable mobile apps.

RESEARCH INTEREST

Research Interests

- Artificial Intelligence (AI)
- Machine Learning (ML) and Deep Learning (DL)
- Natural Language Processing (NLP) and Natural Language Understanding (NLU)
- Neuro-Linguistic Programming
- Computer Vision and Artificial Neural Networks
- Intelligent Information Processing
- Social Media Analytics and Data Science
- Wireless Communication Security and Signal Processing
- GPS Spoofing and Anti-Spoofing Detection
- Jamming Detection and Mitigation in Wireless Networks
- Machine Learning for Cyber-Physical System Security
- Cognitive Radio Networks and Spectrum Sensing
- AI-Driven Intrusion and Spoofing Detection
- IoT and 5G Network Security
- Secure Data Transmission using Intelligent Systems
- Applied AI and Machine Learning for Early Disease Detection and Automation

Major Courses

- Programming Fundamentals • Computer Networks
- Object-Oriented Programming • Operating Systems
- Digital Logic & Design • Software Engineering-I
- Data Structures & Algorithms • Artificial Intelligence
- Computer Organization & Assembly • Mobile Application Development
- Database Management Systems • Computer Vision
- Design & Analysis of Algorithms • Parallel & Distributed Computing
- Information Security • Digital Image Processing

MANAGEMENT AND LEADERSHIP SKILLS

Management and leadership skills

- Ability to learn innovative modern technologies
- Coordination & communication.
- Ability to accept new challenging roles.
- Excellent communication, Management, Teaching and Interpersonal skills.