

Muhammad Fahad Bashir

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ACHIEVEMENTS

- **Stanford Code in Place – Section Leader (2025, 2026):** Re-selected (2nd consecutive year) as section leader from a global applicant pool to train and mentor 10+ international students for over 6 weeks. [Certificate](#)
- **MIT Informatics Tournament (2025):** Ranked 80th globally among international teams, demonstrating strong analytical and problem-solving skills in competitive informatics.
- **Harvard CS50x Puzzle Day (2025 & 2026):** Solved all 9/9 puzzles with team, showcasing collaboration and advanced logical reasoning under time pressure. [Certificate](#)
- **Meta Hacker Cup (2024):** Advanced to Round 1 in Meta's global programming competition, competing against top international developers. [Certificate](#)
- **UC Berkeley CALICO Spring '26 Competition (2026):** Competed as part of a team in UC Berkeley's intercollegiate programming contest, applying algorithmic problem-solving under timed conditions. [Certificate](#)
- **Prime Minister Youth Laptop Scheme Award (2024):** Recognized for academic excellence and overall performance, awarded a government-sponsored laptop.
- **Volunteer Instructor – Python & SQA/PM Bootcamps (2025):** Conducted two 4-week live Zoom courses conducted by ICode Guru, teaching programming, software quality assurance, and project management to beginners. [Recordings](#)

EDUCATION

Pir Mehr Ali Shah Arid Agriculture University Rawalpindi, Pakistan

2020 - 2024

Bachelor of Science in Software Engineering (3.51/4.00) [Transcript](#)

- **IELTS: Band 7.0 (2025)**

PROJECTS

- **PhysioFlex – Final Year Project (2024):** MERN + TensorFlow.js app for posture training & monitoring with real-time CV analysis.
- **ResearchHive (Hackathon, 2024):** AI-powered research paper summarization & interactive Q&A tool built with Gradio, OpenAI, and PDF processing. [Demo](#)
- **MindfulMate – Mental Health Support AI (Hackathon, 2024):** Conversational agent for emotional support, journaling, sentiment analysis, and Quranic audio integration. [Demo](#)
- **Space AI Chatbot (Hackathon, 2025):** Interactive chatbot for space exploration & solar system knowledge, integrating real-time space news. [Demo](#)
- **Computer Vision Applications:** Developed multiple CV tools: pose detection system, background replacement/blur/desaturation, live sketch, virtual mouse, digital palette using OpenCV & MediaPipe. [Pose Detection](#) | [MediaPipe Apps](#) | [Computer Vision](#)

LEADERSHIP & TEACHING EXPERIENCE

- **DSA Live Problem-Solving Sessions (2026):** Presented LeetCode solutions live on Zoom for a structured DSA course, making algorithms accessible to learners. [Recordings](#)
- **Volunteer Mentor – Pak Angels (2024, 2026):** Served as **Generative AI Instructor & Mentor** in the Essential Training Program, guiding learners in AI fundamentals. [Certificate](#)
- **Workshops & Problem-Solving Sessions :** Conducted **live workshops on automation tools & data visualization**, and presented solutions to **LeetCode problems** for peers. [Workshops](#) | [Leetcode](#)
- **Cabinet Member – Aridian Array Software Society (2022–2024):** Served as a **cabinet member** of the official society of the university for 2 years, managing events, content, and community learning activities.

SKILLS & TECHNOLOGIES

- **Programming Languages:** Python, JavaScript (ES6+), C++, C#
- **AI & Machine Learning:** Generative AI, RAG, Computer Vision, Machine Learning
- **Backend Technologies:** Firebase, Flask, FastAPI
- **Databases:** MongoDB, MySQL
- **Frameworks & Libraries:** React.js, Streamlit, LangChain, Gradio
- **Soft Skills:** Research, Communication, Problem-Solving, Critical Thinking