Sher Ali

Karachi, Pakistan | sheralikhan9699@gmail.com | 0336 0342267 | linkedin.com/in/sher-ali-b82112265 | github.com/sherali9699

Education

Habib University, BS in Computer Engineering — Aug 2022 – May 2026
- HUTOPS Scholar (100% Merit Based Scholarship)
- CGPA: 3.51/4.0

Experience

Computer Vision Intern - Agha Khan University Hospital, Karachi, Pakistan — Aug 2025 – Sep 2025
- Trained and optimized the Yolov8n model for dental healthcare proprietary dataset.

Undergraduate Researcher, Habib University, Karachi — May 2025 – July 2025
- Building a Virtual Reality Based Evacuation Drill System.
- Comparing effects versus physical drills in retention rate and experience.

AI Development Intern, ASF Tech Partner Pvt Ltd (Singapore), Remote — May 2025 – July 2025
- Developed a Business Onboarding Platform for UAE and KSA using MERN stack and AI RAG Based chatbot, reducing onboarding time by 30% for over 50 clients.
- Collaborated on AI-driven features, boosting user engagement by 40% and resolving 95% of issues across three environments.

Teaching Assistant for Computer Vision, Habib University, Karachi — Jan 2025 – May 2025
- Conducted weekly recitations and 10+ hours of office hours on computer vision, boosting 40+ students' comprehension by 35% and assignment completion by 90%.

RISCV Architecture Verification Intern, 10xEngineers, Remote — Aug 2024 – Oct 2024
- Developed an open-source RISC-V verification suite with 100% instruction test case coverage, collaborating with Harvey Mudd College and 10x Engineers, creating testbenches to ensure robust architecture validation.

MERN Stack Developer Intern, Habib University IT Dept., Karachi — Jul 2024 – Aug 2024
- Built a responsive MERN stack website for the Music Department, integrating front-end design with backend services, improving site speed by 40% and boosting user engagement by 50% for 200+ monthly visitors.

Projects

- **Poshak – Children Clothing Store Database:** Built an online store using MySQL with user management and order processing.
- **FireBoy and Water Girl Game:** Developed 2D puzzle game using C++ and Object-Oriented Programming.
- **Restaurant Website with AI Chatbot:** MERN stack website with AI-powered chatbot for customer assistance.
- **Open-Source RISC-V Verification Suite:** Developed a verification suite with 100% instruction test case coverage using testbenches, collaborating with Harvey Mudd College, 10x Engineers, and Habib University.
- **Motion Prediction and Generation:** Researched motion prediction using VLMs and LLMs for human motion analysis.

Skills

- **Programming:** Python, C++, JavaScript, Full Stack Engineering, SQL, NoSQL
- **Software Engineering:** Data Structures, Algorithmic Problem Solving, SDLC
- **AI & Machine Learning:** TensorFlow, PyTorch, Computer Vision, LLMs, Langchain
- **Embedded & Verification:** RISC-V Architecture, Verification Testbench Development
- **Productivity:** Microsoft Office Suite, LaTeX, Technical Writing
- **Soft Skills:** Communication, Teamwork, Problem Solving, Leadership

Extracurricular Activities

- **Societies:** Member, Computer Science and Engineering Club; Treasurer, Entrepreneurship Club; Member, Debate Union; Event Cabinet Member, Student Government.
- **Conferences / MUN:** Delegate at HUMUN and MUNIK XII.
- **Volunteering:** EU Road Show Rep; Volunteer at 10th Meritorious Awards Ceremony; Mentor at TCF Rahbar Program.
- **Sports:** Football participant at Benazir Bhutto Peoples Sports Academy.

Certifications

- **Machine Learning Specialization** from Deeplearning.Ai
- **Fundamentals of Agentic AI** from IBM and Coursera