

Muhammad Ammar Saleem

Lahore, Punjab

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LinkedIn

🌐 Portfolio Link

Education

Ghulam Ishaq Khan Institute of Engineering

BSc. Computer Science | Dean's Honor List (GPA 3.5+) | 5th Semester

Courses: AI, Software Engineering, OS, DBMS, Theory of Automata, DSA, CA, COAL, C++ and Python

GIKI, Pakistan

Sep 2023 - present

Cadet College Hassan Abdal

A - Levels | Best in Academics | 2A* 2A

Physics, Mathematics, Chemistry | Vice president Computer Club

Hasanabdal, Pakistan

Aug 2021 - Jul 2023

Professional Experience

Cultural Dramatics and Entertainment Society

GIKI, Pakistan

Event and Tech Head

Oct 2024 - Dec 2025

- Orchestrated a zero-budget event for 2,000+ students by devising a novel collaboration strategy with 20+ local vendors
- Led digital content strategy as Society Tech Head, increasing social media reach from 40k to 270k+ views

Techling AI

Sheikhupura, Pakistan

Front-end Intern

Jul 2025 - Sep 2025

- Mastered HTML, CSS, and React within one month, executing 10+ hands-on development projects
- Optimized 3 real-world team projects using useRef hooks, improving application rendering speed by 40%

The Benefit Foundation

Sheikhupura, Pakistan

Co-Founder

Jul 2022 - Jun 2023

- Founded a youth organization, leading 8 volunteers to execute 5+ COVID-19 relief and community projects.

Hackathons & Competitions

Mini-App Hyperthon (Web3 and Blockchain)

Based Pakistan

Deployed Solution to Ticketing Fraud in Pakistan

Dec 2025

- Architected a gasless NFT ticketing protocol on Base L2 using smart contracts with Firebase, utilizing cryptographic signatures for real-time on-chain verification eliminating ticketing fraud by 90%

Case Study Competition, Beyond Classrooms – Leadership Series

Tech For Pakistan

Presented an innovative solution featuring Ilm Baji's

Dec 2025

- Synthesized M-Pesa's agent model (Africa) into a secure "Learn-to-Earn" ecosystem projected to impact 10,000+ rural students
- Designed decentralized agent network (Ilm Baji's) to bypass cultural mobility restrictions and secure offline learning verification

HackGit Hackathon and Speed Programming Competition

GitHub

1st Position in Hackathon, Runners-up in Speed Programming

May 2025

- Engineered a fraud-detection system integrating IoT, YOLOv8, and Blockchain to verify rural clinic activity
- Devised a <10K PKR IoT solution scalable to 1,000+ clinics within 1 year, reducing manual audit costs by 90%

Academic Projects

AI Recruiter Agent Workshop | Royal Cyber | First one to complete the Workshop

- Developed an AI Recruitment Agent using Google Gemini for automated candidate status retrieval
- Integrated FastAPI and Mailtrap to automate database validation and real-time email notifications

SERBAS (Smart ER Bed Allocation System) | Introduced Hybrid AI (Combining Supervised & Un-Supervised Learning)

- Fused K-Means, Random Forest, and CSP algorithms to automate patient triage and optimize bed allocation saving 15+ minutes of critical decision-making time per patient
- Achieved 90%+ accuracy on synthetic trials, designing a scalable architecture for universal hospital deployment

AI Powered Chess Game | Implemented Fully Functional Chess game with basic AI (Min-Max, Alpha Beta Pruning, Priority Queues)

- Leveraged concepts of Data Structures on creating the complex design and development of 100+ Chess rules
- Implemented Min-Max and Alpha Beta Pruning Algorithm and Iterative Search and reduced AI thinking time by over 90%

Technical Skills

Languages: Python, C++, JavaScript (ES6+), C#, SQL, Assembly, Verilog

Frameworks & Libraries: React.js (Hooks, Context API), FastAPI, SQLAlchemy, YOLOv8, Scikit-learn

Tools & Platforms: Git, GitHub, Vercel, Firebase, PostgreSQL, Arduino, Proteus, PowerBI

AI & Concepts: Generative AI (Gemini API), Computer Vision, Supervised/Unsupervised Learning, IoT, Data Structures