

Abdul Rahman Azam

azamabdulrahman930@gmail.com | LinkedIn: abdulrahmanazam | Github: abdulrahmanazam | +92-3163677527

EDUCATION

- Bachelor of Science - Artificial Intelligence; GPA: 3.08/4.0** Karachi, Pakistan
FAST National University Aug 2023 - Aug 2027
Courses: Recommender Systems, Operating Systems, Data Structures, Design and Analysis Of Algorithms, Fundamentals of Software Engineering, Database Systems, Artificial Intelligence, Machine Learning, Knowledge Representation and Reasoning

EXPERIENCE

- AI/ML Intern** Karachi, Pakistan
REON Energy Feb 2026 - May 2026
 - Engineered rule-based AI decision workflows with LLM/tool-calling integration, translating business constraints into deterministic approval logic.
- Backend Engineer Contract** Remote, Dubai
BoxTech Jan 2026 - Feb 2026
 - Developed and maintained backend APIs and server-side logic, collaborating with cross-functional teams to support production-ready applications.
- Student Lab Assistant, FAST NUCES** Karachi, Pakistan
Teaching Assistant — Object Oriented Programming and Programming Fundamentals Jan 2025 - Dec 2025
 - Taught and mentored 50+ students in OOP and Programming Fundamentals, evaluating lab tasks and projects while guiding them in algorithmic problem-solving.

PROJECTS

- SIR JEE AI – AI Whiteboard Tutor** Apr 2026 - Jul 2026
Python, FastAPI, React, TypeScript, Google Gemini API, WebSocket, LLM
 - Built an AI-powered whiteboard tutor that turns any topic into a real-time animated lesson narrated by voice AI.
 - Architected a 3-agent Gemini workflow for research, lesson planning and assessment, with structured outputs on a custom drawing-DSL canvas renderer, WebSocket voice streaming and automatic model fallback.
- FAST WHEELS – WhatsApp Carpool Bot** Oct 2025 - May 2026
NodeJs, Express, MongoDB, Whatsapp Cloud API, NLP, LLM, FuseJs
 - Developed an AI-powered carpool platform connecting 2500+ FAST students via WhatsApp.
 - Implemented intelligent ride-matching, route optimization, and natural-language understanding.
- NarrativeVerse – Multi-Agent Narrative System** Jan 2026 - Feb 2026
Python, FastAPI, LangGraph, React, Node.js, Supabase, LLM APIs
 - Built a multi-agent narrative system with autonomous AI characters featuring memory, emotional reasoning, and AI-directed story orchestration.
 - Designed a LangGraph-based cyclic state machine for agent coordination, turn-taking, and narrative control.
- VisionRAG - Multimodal RAG Knowledge Assistant** Oct 2025 - Dec 2025
Python, Gemini, Pinecone, Embeddings, OCR, RAG, FastAPI
 - Built multimodal RAG processing 20+ documents/images and indexing 1,000+ chunks in Pinecone for question answering.
 - Developed a pipeline using OCR, embeddings, Pinecone retrieval, and LLM generation, tested across 100+ queries.

SKILLS

- Languages:** Python, C/C++, JavaScript(ES6+), SQL
- Frameworks:** React, Express, FAST API, Pandas, Numpy, Matplotlib, LangChain, LangGraph, pydantic
- Tools:** GIT, AWS, Digital Ocean, Node.js, MongoDB, Supabase, Docker, Postman
- Soft Skills:** Leadership, Event Management, Problem Solving, Public Speaking, Time Management

HONOURS AND AWARDS

- Secured 1st Place in Hackathon — Procom, FAST NUCES KARACHI
- Secured 1nd Place in Hackathon — BWAI, DHA SUFFA, KARACHI
- Secured 1nd Place in AI App Development — TECNOFEST KARACHI
- Secured 2rd Place in Debugging Competition — ACM Coders Cup, FAST NUCES KARACHI
- Secured 3rd Place in Hackathon — Asaani.io NASTP KARACHI

VOLUNTEER EXPERIENCE

- AI Competitions Head — Procom, FAST NUCES Karachi** Oct 2025 - Jun 2026
Leading 7 module teams to design and manage AI competitions for 700+ participants.
- Machine Learning Head — ACM-AI, FAST NUCES Karachi** Oct 2025 - Jun 2026
Conducting ML workshops and mentoring 300+ students in applied AI and research.