Abdul Rahman Azam

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EDUCATION

FAST National University — Karachi, Pakistan
Bachelor of Science - Artificial Intelligence; GPA: 3.33/4.0 — *Aug 2023 - Aug 2027*

Courses: *Operating Systems, Data Structures, Design and Analysis Of Algorithms, Fundamentals of Software Engineering, Database Systems, Artificial Intelligence, Machine Learning*

Adamjee Government Science College — Karachi, Pakistan
Intermediate in Pre-Engineering; Grade: A+ — *June 2021 - June 2023*

Highlights: *Achieved A+ grade with distinction, demonstrating excellence in Mathematics, Physics, and Chemistry.*

SKILLS SUMMARY

- **Languages:** Python, C/C++, JavaScript(ES6+), SQL, Prolog, Assembly(x86)
- **Frameworks:** React, Express, FAST API, Pandas, Numpy, Matplotlib, Scikit-Learn, NLTK, PyGame
- **Tools:** GIT, AWS, Digital Ocean, Nodejs, Mongodb, PostGreSQL Docker, Postman, Oracle,
- **Soft Skills:** Leadership, Event Management, Problem Solving, Public Speaking, Time Management

EXPERIENCE

ML Toppers Community — Karachi, Pakistan
Founder and Mentor — *June 2025 – August 2025*
- **Community Building and Leadership**: Conducted instructional sessions for 700+ members on core machine learning concepts through live sessions, fostering hands-on learning and community collaboration.

Student Lab Assistant, FAST NUCES — Karachi, Pakistan
Teaching Assistant — Object Oriented Programming and Programming Fundamentals — *Jan 2025 – Dec 2025*
- **Mentorship and Problem-Solving Training**: Taught and mentored 50+ students in OOP and Programming Fundamentals, evaluating lab tasks and projects while guiding them in algorithmic problem-solving through LeetCode-based training.

PROJECTS

- **FAST WHEELS – WhatsApp-Based Carpool Bot — NodeJs, Express, Mongoose, MongoDB, Baileys API, NLP, LLM, FuseJs**: Developed an AI-powered carpool platform connecting 2500+ FAST students via WhatsApp. Implemented intelligent ride-matching, verification, and route optimization using Natural Language understanding and database logic.

- **DEBZI AI – AI-Powered Debating Assistant — Python, NLP, Transformers, LLMs**: Developed an intelligent debating assistant that analyzes topics, generates counterarguments, and provides real-time suggestions using NLP pipelines and LLMs. Trained on structured debate datasets to enhance logical reasoning and coherence.

- **University Resource Sharing Platform — React.js, Node.js, Express.js, Tailwind CSS, PostgreSQL, Sequelize ORM**: Designed and deployed a centralized platform enabling FAST-NUCES students to share resources, join communities, and collaborate through posts, comments, and file sharing. Integrated secure authentication, admin moderation, and scalable REST APIs.

- **Super Tic Tac Toe (AI-based Web Game) — JavaScript, Minimax, Alpha-Beta Pruning, HTML, CSS**: Created an AI-driven 9x9 multi-board Tic Tac Toe game with adaptive scoring. Implemented an intelligent opponent using the Minimax algorithm and Alpha-Beta Pruning for optimal and competitive gameplay.

- **Income Predictor – Data Analysis and ML App — React, FastAPI, Python, Scikit-learn, Pandas**: Developed a full-stack ML app predicting income levels using the Adult Census dataset (32K+ entries) with KNN (85% accuracy). Automated visualization and analytics pipeline generating 50+ insights with Pandas, NumPy, and Matplotlib.

HONORS AND AWARDS

- Secured 2nd Place in Web Hunt Competition
- Secured 3rd Place in ACM Coders Cup
- Secured 3rd Place in Asaani.io Hackathon — built an AI-integrated project within 72 hours.
- Solved 290+ Problems on LeetCode, earning 6 Skill Badges in Algorithms and Data Structures

VOLUNTEER EXPERIENCE

AI Competitions Head — PROCOM, FAST NUCES Karachi
Leading 6 module teams to design and manage AI competitions for 1700+ participants.

Machine Learning Head — ACM-AI, FAST NUCES Karachi
Conducting ML workshops and mentoring 300+ students in applied AI and research.

Automation Head — IEEE, FAST NUCES Karachi
Managed automated emails and event coordination for 300+ participants, reducing manual overhead by 70%.

Cryptocurrency Head — Developer Student Club, FAST NUCES Karachi
Conducted blockchain workshops and trading simulations for 200+ students, fostering Web3 awareness.