

# Abdul Rahman Azam

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## AI & Blockchain Developer

### SUMMARY

AI & blockchain enthusiast with a strong foundation in web3 development, smart contracts, and applied machine learning. Seeking to solve real-world problems through decentralized and intelligent systems.

### SKILLS

- Web Development:** React | Next.js | Tailwind CSS | ShadCN UI | Zustand | TanStack Query
- AI/Data Science:** Pandas | NumPy | Scikit-Learn | Matplotlib | Power BI
- Blockchain:** Solidity | Hardhat | EVM | Sepolia Testnet | Web3.js | MetaMask
- Languages & Tools:** C/C++ | Python | JavaScript | TypeScript | GitHub | SFML | Postman

### EXPERIENCE

- Students Lab Assistant – (FAST NUCES)**
  - Guided and mentored **50+ students** in **OOP Labs**, simplifying complex concepts and improving understanding.
  - Coordinated with the instructor to deliver engaging lab sessions, resulting in **98% student satisfaction**.
- Co-Lead of Artificial Intelligence – (FAST NUCES)**
  - Building an **unbeatable chess bot** that plays against a human on a physical chessboard
  - Overseeing **AI logic, bot behavior**, and real-world integration for an interactive robotics experience.
- Team Lead – (Dar ul Sukun)**
  - Led a **team of 11 students**, focused on social responsibility and civic engagement.
  - Strengthened community empathy and leadership focused on inclusion and emotional support.

### EDUCATION

<b>FAST NUCES Khi - (CGPA: 3.33)</b> <i>BS in Artificial Intelligence</i>	2023 – Present
<b>Adamjee Govt. College - (80%)</b> <i>Intermediate in Pre-Engineering</i>	2021 – 2023
<b>Happy Palace School - (98.12%)</b> <i>Matric in Computer Science</i>	2019 – 2021

### PROJECTS

- University Resource Sharing Platform:** Jan - May 2025
  - Developed a centralized platform using **React.js, Node.js, Express.js, Tailwind CSS, REST APIs** for FAST-NUCES students to share resources, join communities, and interact via posts, comments, and file sharing.
  - Implemented secure **email-based authentication**, admin moderation, and a scalable **PostgreSQL database** using **Sequelize ORM**.
- Decentralized Greeting Dapp:** April - May 2025
  - A Decentralized application (Dapp) that allows users to store and retrieve custom messages on the **Ethereum Sepolia Testnet** using **MetaMask**, **reducing 40% retrieval time** compared to traditional web apps.
  - Built a responsive frontend with **Next.js** and **Tailwind CSS**. Automated deployment and testing workflows using **Hardhat**.
- Income Predictor - Data Analysis:** Sep - Dec 2024
  - Built a full-stack ML income prediction app using **KNN (85% accuracy)** with **React, TypeScript, FastAPI**, and **Python** on the Adult Census dataset (**32,000+ entries**)
  - Automated a complete data analysis and visualization pipeline, generating **50+ visualizations** and enabling real-time model insights across **10 KNN** variations using **Pandas, NumPy, Matplotlib**, and **Scikit-learn**.
- 2D Platformer Game:** Feb - May 2024
  - A fast paced action game featuring enemies and reloading weapon systems. Recognized as one of the **top 1% projects** at university for creativity.
  - Used **Pure C++ with SFML library** to reinforce Object-Oriented Programming principles.
- AI based Tic-Tac-Toe Game:** Sep - Dec 2023
  - Developed a strategic game with **100% win rate** against human players using **Minimax Algorithm**.
  - Three gameplay modes: 2-Player, random CPU and unbeatable AI. Implemented using **Pure C language**.

### ACHIEVEMENTS

- LeetCode 250+** problems solved
- Typing Speed **100+ WPM**
- 1<sup>st</sup> Position** in Marketing Maestro
- 2<sup>nd</sup> Position** in Web Hunt Competition
- 3<sup>rd</sup> Position** in ACM Coders Cup

### CERTIFICATIONS

- ChatGPT for Everyone (Learn Prompting)
- Beginner Track (Binance Academy)
- 3 Days Blockchain Workshop (Decentral Developers)
- Problem Solving – Basic + Intermediate (HackerRank)