

ABDUL MOAZZIM

Computer Systems Engineering · Full-Stack Development · Applied AI/ML Research
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PERSONAL PROFILE

Computer Systems Engineering student (NED University) with hands-on full-stack development experience and a growing research focus in applied AI/ML. Led a sustainability-tech project to the Global Finals at TUM Munich and built an NLP capstone on English-to-Urdu translation. Seeking opportunities to combine practical engineering skills with rigorous, publication-oriented research.

EDUCATION

Bachelor of Engineering in Computer Systems Engineering *Sep 2023 – Jul 2027 (Expected)*

NED University of Engineering and Technology, Karachi – CGPA 3.77/4.0 · Full Merit Scholarship

F.Sc, Pre-Engineering *Oct 2021 – Jul 2023*

Adamjee Govt. Science College, Karachi – Percentage 83.6%

RESEARCH & LEADERSHIP

Technical Lead – [EmpowerGEN Pakistan](#) · *Next.js, next-intl, Supabase, Tailwind CSS* *2025 – 2026*

- Led end-to-end technical development for EmpowerGEN Pakistan, taking it to the Global Finals of the Global Sustainability Challenge 2025-2026 at TUM Munich.
- Directed system design and implementation decisions across a cross-functional team, translating a sustainability-focused concept into a working technical product.

EXPERIENCE

MERN Stack Developer – Empiric Technology *Jul 2025 – Nov 2025*

- Built and shipped two expense-management systems and a clock-in/clock-out application, from initial version through core feature delivery.

MERN Stack Developer Intern – 10Pearls — Shine Program *Dec 2025 – Jan 2026*

- Delivered full-stack features across frontend and backend under senior engineer supervision, in a collaborative agile workflow.

SELECTED PROJECTS

[NED Scholars](#) · *Next.js, React, Node.js, Prisma, Neon DB, Tailwind CSS, Shadcn UI, Resend Email*

- Built a student-society platform centralizing announcements, scholarships, and events, with role-based access for secure content management.

[GitForge](#) · *React, Vite, Markdown, HTML, CSS*

- Built a GitHub README generator with a drag-and-drop editor, modular profile sections, and live Markdown/HTML preview with export.

[EduSchedule](#) · *React, Flask, PostgreSQL, NeonDB*

- Built a university resource allocator managing class schedules and faculty assignments via a Flask API and PostgreSQL backend.

[Data Cleaning & EDA Portfolio](#) · *Python, Pandas, NumPy, Matplotlib, Seaborn*

- Cleaned and analyzed five datasets, each with a distinct challenge (inconsistent units, missingness, schema drift, nested fields), from audit through full EDA with a documented decision log.

AWARDS & HONORS

- Dean's Honor Award – NED University of Engineering and Technology, 2026
- Full Merit Scholarship – NED University of Engineering and Technology, 2023-Present
- Prime Minister's Laptop Scheme – Government of Pakistan
- Global Finalist, Global Sustainability Challenge 2025-2026 – Technische Universität München (TUM)

TECHNICAL SKILLS

- Languages: Python, JavaScript/TypeScript, C
- Python Libraries: Pandas, NumPy, Matplotlib, Seaborn, asyncio
- Frontend: React, Redux, Tailwind CSS, GSAP
- Backend: Node.js, Express, FastAPI, Flask
- Databases: MongoDB, PostgreSQL, MySQL, Redis, ElasticSearch
- Tools & Infra: Git, Linux, Docker, GraphQL, AWS, Supabase, RabbitMQ, Kafka

CERTIFICATIONS

- [Certificate of Achievement](#) - Global Sustainability Challenge (May 2026)
- [CS50x Puzzle Day 2026](#) – CS50 (Apr 2026)
- [CS50](#) – Harvard University
- Programming Foundations: Fundamentals – LinkedIn Learning Community (Aug 2024) - Credential ID 3e8e0a88261f9bbb7ce3db7fd0771cf1fbdba9c8ed52d1cd2e8f77bb62759a85
- [Crash Course on Python](#) – Coursera (Feb 2024)
- Introduction to Linux (LFS101) – The Linux Foundation (Feb 2026) - Credential ID LF7500oymyxs

LANGUAGES

English, Urdu, German (A1 - Level)

COURSE WORK

CS-218 Data Structures & Algorithms, CS-116 Object Oriented Programming, CS-222 Database Management Systems, CS-329 Operating Systems, CS-328 Computer Architectures, CS-323 Artificial Intelligence, CS-324 Machine Learning, CS-326 Software Engineering