Maaz Khan

maaz.dev7@gmail.com | **+92 331 9996977**   **LinkedIn** | **Github** | **Portfolio**

EDUCATION:

BSCS from ***FAST***, National University of Computer & Emerging Sciences, Lahore   Sept 2022 - August 2026

WORK EXPERIENCE:

PERN Stack Developer

Beyond Technologies | Internship | Jul 2025 – Oct 2025 | Onsite

- Collaborated on the development of **BeyondAIO**, an integrated **CRM** and **HRMS** product
- Build Project Management System module like **Jira** from scratch including schema design, backend, Frontend using **React**, **PostgreSQL**, **AWS buckets**, **Node.js** and **RESTful APIs**
- Used **Sequelize ORM** for PostgreSQL schema management, associations, migrations, and backend data abstraction

React Native Developer

Invowork | Internship | Apr 2025 – Jul 2025 | Remote

- Developed a **cross-platform Vet Services mobile application** using **React Native (Expo)**
- Implemented **RESTful backend services** using **Node.js**, **MongoDB**, and **Mongoose** for data modeling and persistence
- Integrated **Cloudinary** for image storage and media management, and implemented **Google Authentication (OAuth 2.0)** for secure user authentication and access control

Research Assistant

Fast University, Lahore | Jul 2025 – Aug 2025 | Hybrid

- Engineered **Python** scripts to scrape **Google Schola**r and utilized **Pandas** to transform unstructured data into validated **Excel** formats.
- Deployed the **Gentle forced alignment tool** via **Docker** to synchronize audio-text datasets for NLP research under Dr. Aamir Wali.
- Synthesized complex publication trends into interactive bar chart race animations using the **Flourish** platform.

PROJECTS:

NucesRate – Professor Review platform for Fast University with moderation

- **Scaled to 1,200+ active users** and managed a database of **2,000+ moderated reviews** across all campuses.
- Extracted professor data and built the platform using **Next.js** and **Supabase**; integrated **Google OAuth 2.0**, optimized for **SEO**, and deployed via **Vercel**.

NucesArchive – Academic Resources sharing platform for Fast University

- Built a collaborative platform for academic materials using **Next.js**, **Firebase, Google Drive API** and **Socket.IO**
- Applied **real-time communication** tools and dynamic content features along with **SEO optimization**

Epistara - AI-Powered Personal Knowledge Management and Reasoning System

- Built a full-stack Generative AI platform using **Django REST** Framework and **React** with **multi-document retrieval**, **semantic search**, and contextual **chatbot** integration.
- Implemented secure authentication with **OTP verification** and **JWT**, enabling user-isolated **document storage**, **intelligent retrieval**, and AI-generated **mind-map visualization**.

SKILLS:

Languages & Tools: Python, JavaScript, TypeScript, Next.js, React.js, React Native, Tailwind CSS, Node.js, Express.js, C++, C, HTML, CSS, SQL, Git, Assembly x8088, Python Libraries
Databases: Firebase, Supabase, MongoDB, MySQL, MS SQL, PostgreSQL
Data Engineering, AI & Automation: Data visualization, exploratory data analysis, LLMs & RAG, Hugging Face Open Source Models, n8n

CERTIFICATIONS:

- Crash Course on Python | **Google**
- The Web Developer Bootcamp by Colt Steele | **Udemy**
- Django For Everybody by Dr. Charles Severance | **Coursea**