Muhammad Danish Raza

+923161278326| danishh.raza05@gmail.com| LinkedIn| GitHub| Portfolio| Karachi, PK

Full-stack Software Engineer specializing in **MERN stack** and Next.js, with a strong focus on **building** and **deploying** scalable applications. Experienced in cloud computing (AWS), AI-powered applications, and data analytics.

EDUCATION

Institute Of Business Administration, Karachi   **Expected May 2025**

Bachelor of Science in Computer Science – CGPA 3.2

Relevant Course Work – Software Engineering, Cloud Computing, Competitive Programming, Intro to DevOps, Data Structures, Database Systems, Intro to Machine Learning, Digital Forensics, Human Computer Interaction, Big Data Analytics, Business Intelligence

TECHNICAL SKILLS

Programming – Java, Python, HTML, Tailwind CSS, JavaScript, Typescript
Frameworks – Node.js, React.js, Next.js, Express.js
Database – MongoDB, Oracle SQL
Software Tools – Figma, Git, Jira, Power BI, Tableau

WORK EXPERIENCE

Heuser Edu   **May 2024 – July 2024**
Software Engineer Intern

- Developed a web-app using React.js, Next.js, MongoDB providing users with the ability to browse courses, sign up for their preferred programs, and engage in real-time chat with dedicated support for a seamless learning experience.
- Collaborated with the UX/UI design team to optimize the interface, improving user experience and increasing conversion rates by 15% through intuitive design changes.
- Successfully deployed the project on Vercel cloud, AWS S3, and integrated Google, Meta Pixel, and Vercel Analytics to analyze and enhance site traffic. Employed Open Graph and other SEO tools, resulting in a 200% increase in site traffic.

HP Tech Ventures – Extern   **April 2024 – May 2024**
Remote Business Analyst

- Conducted in-depth research and analysis on over 50 pre-seed and seed stage startups using comprehensive metrics, industry trends, and business models.
- Employed data cleaning methods with python and utilized Tableau for advanced data visualization to enhance analytical clarity.
- Identified and recommended three high-potential startups for strategic HP investments totaling around $10 million, facilitating their progression for further due diligence.

PROJECTS

AI Recruitment Engine – RecruitWise.io (FYP – In Development)   **Jan 2025 – Present**

- Developed an AI-powered recruitment system leveraging Llama 3.3 for resume filtering, real-time batch HR and technical interviews, and candidate ranking. Integrated text-to-audio and transcribing models to enable multilingual support and accurate transcription of candidate responses.
- Integrated advanced anti-cheating measures, including camera and screen monitoring with computer vision models, to ensure interview integrity and prevent malpractice.
- Utilized Ollama, React, MongoDB, Node.js, Nest.js and Docker to build a scalable platform hosted on AWS.

License Plate Recognition   **July 2024 – Aug 2024**

- Developed a License Plate Recognition (LPR) system utilizing Python, the YOLOv8 object detection framework, and EasyOCR. Leveraged a custom-trained dataset for accurate license plate detection of up to 90%.
- Implemented effective license plate extraction and data output in CSV format, enabling streamlined analysis and integration with downstream applications.

VoxaLink Web3 Token   **Nov 2023 – Jan 2024**

- Spearheaded the development of web3 token, an AI integrated decentralized application using React & Next.js for the front end, Node.js & Express.js for backend, and Solidity for token contract.
- Finetuned pre-trained models for AI voice transcription and voice authentication services with up to 95% accuracy, integrated with blockchain functionality.
- Effectively collaborated in a team environment using GitHub for seamless code collaboration with other developers ensuring efficient version control and smooth coordination throughout the development process.

EXTRACURRICULAR ACTIVITIES

IBA Arts & Photography Society

- Handled video marketing for Valorant gaming segment of Enigma X, the flagship event of IBA, successfully gaining over 10K+ views.
- Managed operations on event day, ensuring the competition goes through smoothly.

IBA Office Of Student Affairs

- Volunteered as an Orientation Captain at the IBA Orientation Gala 2023 where I provided mentorship to 20+ freshman students and guided them around the campus.

COURSES & CERTIFICATIONS

Web Development Boot Camp   **June 2023**
AWS SAA C03   **Ongoing**