

Muhammad Danish Raza

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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, Karachi

May 2024 – July 2024

Software Engineer Intern

- Built an 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 connected Google 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

Jan 2025 – May 2025

- 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.
- Incorporated 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

- Designed 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, a 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
- 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.

EXTRACURRICULARS AND LEADERSHIP EXPERIENCE

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

AWS SAA C03

June 2023

Ongoing