

# 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

Aug 2021 - June 2025

#### Bachelor of Science in Computer Science

**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

Cloud Computing – AWS, Azure

## WORK EXPERIENCE

### Heuser Edu

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 **UI/UX** 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 using **microservice architecture**. Leveraged **Llama 3.3** for real-time batch HR and technical interviews, and candidate ranking, semantic resume screening. 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 like **YoloV8** and **MediaPipe**, to ensure interview integrity and prevent malpractice.
- Created a scalable platform leveraging Ollama, React, MongoDB, Node.js, Nest.js, and Docker, with AWS hosting and automated CI/CD deployment.

### Real Time E-Commerce Data Pipeline - Kafka, Spark, MongoDB, NiFi, Streamlit, Python - [Github Link](#)

July 2024 – Aug 2024

- Developed a dockerised real-time data pipeline for e-commerce analytics, including ingestion, processing, and visualization.
- Automated ingestion with Kafka producers and NiFi workflows; integrated Kaggle API for streamlined data retrieval.
- Created Spark jobs for EDA and visualized insights through a Streamlit dashboard.

### VoxaLink Web3 Token – [App Link](#)

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

June 2023

AWS SAA C03

Ongoing