

Muhammad Danish Raza

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EDUCATION

Institute Of Business Administration

2021 - 2025

Computer Science B.S - CGPA 3.13/4.00

Relevant Course Work – Data Structures, Objected Oriented Programming, Parallel & Distributed Computing, Database Systems, Theory of Automata, Design and Analysis of Algorithms, Business Intelligence, Software Engineering

TECHNICAL SKILLS

Programming – Java, Python, HTML, CSS, JavaScript, Typescript

Frameworks – Node.js, React.js, Next.js, jQuery, Express.js

Database – MongoDB, Oracle SQL

Software Tools – Figma, Trello, Git, Power Pivot

PROJECTS

VoxaLink DApp – Cross Platform Application

- Spearheading development of VoxaLink Token, an AI integrated decentralized application (DApp) using React & Next.js for the front end, Node.js & Express.js for backend, and Solidity for web3 token contract.
- Finetuning pre trained models for AI Voice Transcription and Voice Authentication services integrated with blockchain functionality.
- Effectively collaborating in a team environment using GitHub for seamless code collaboration with other developers ensuring efficient version control and smooth coordination throughout the development process.

Heuser Edu – Full Stack Application

- Designed and developed a web-app using React.js, Next.js, MongoDB, Node.js 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.
- Deployed project on Vercel cloud. Connected Google, Meta Pixel and Vercel Analytics to analyze and optimize traffic. Additionally, tools such as Open Graph have been employed to improve search engine optimization (SEO).

License Plate Recognition

- 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.
- Implemented effective license plate extraction and data output in CSV format, enabling streamlined analysis and integration with downstream applications.

WORK EXPERIENCE

HP Tech Ventures

04/2024 - Present

Corporate VC & Business Analytics Extern

- Engaging in profiling and research of pre-seed stage startups, applying learned VC criteria to assist in sourcing and evaluating potential investments for next-gen technology.
- Contributing to strategic insights and due diligence, enhancing HP's approach to venture investments and alliances.

Heuser Edu

05/2022 - Present

Head Of Media and Web Developer

- Tasked with developing and maintaining Heuser's website using MERN stack, updating database of teachers and announcements.
- Assumed the role of supervisor for an ed-tech project, overseeing the entire process from lecture shoots to the creation of a Learning Management System (LMS) and website integration.
- Produce and edit weekly videos for marketing purposes, employing trending techniques to create engaging and impactful content, targeting the institute's key audience segments improving Heuser's digital availability and admissions by over 200%.

EXTRACURRICULAR ACTIVITIES

IBA Arts & Photography Society

- Handled video marketing for Valorant gaming segment of Enigma X, the flagship event of IBA.
- 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 assisted with event day operations, provided mentorship to freshman students, and guided them around the campus.

COURSES & CERTIFICATIONS

Web Development Boot Camp

June 2023

Python & Ethical Hacking

December 2023

AWS SAA C03

Ongoing