

# Muhammad Danish Raza

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## EDUCATION

### Institute Of Business Administration

2021 - 2025

#### Computer Science B.S - CGPA 3.19/4.00

**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 – Current ~ Cross Platform Web 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 Developer)

- 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).

### Connect 4 Game. Human vs AI

- Implemented a Connect 4 game with GUI in Python using the Pygame library, integrating advanced AI algorithms such as Minimax with alpha-beta pruning and genetic modeling. The game provides an interactive experience where players can compete against the AI.
- This project showcased my skills in programming, algorithm design, and simulation.

### Hospital Management System

- The system had a user-friendly interface created using Next.js, Tailwind CSS, and Oracle SQL with a login system using Next Auth for added security to help all the staff and patients in managing their appointments, etc. This project showcased my skills in database management.

## WORK EXPERIENCE

### 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%.

### Inceptives Media

10/2020 - 05/2021

#### Lead Video Editor

- Edited videos for international clients, ensuring high-quality output and adherence to client specifications.
- Supported junior editors by providing guidance, feedback, and training under my supervision, fostering skill development.

## 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

Python & Ethical Hacking

AWS SAA C03

June 2023

December 2023

Ongoing