MD FAISAL HUSSAIN

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SUMMARY

A dedicated Full-Stack Developer specializing in building dynamic web applications with hands-on experience in the MERN stack (MongoDB, Express.js, and Node.js). Proficient in creating RESTful APIs and developing responsive user interfaces using HTML, CSS, JavaScript, and React.js. Familiar with foundational programming concepts in Python and Java. Aspiring to become a software engineer, with a passion for leveraging technical skills to build scalable and efficient real-world solutions.

EDUCATION

Methodist College of Engineering and Technology

Bachelor of Engineering, AI&DS CGPA: 8.7 | 2022-2026

INTERNSHIPS

Java Developer Intern Intrainz | Virtual | Jan 2023 - Mar 2023

- Gained foundational knowledge in Core Java, focusing on key programming principles in a structured learning environment.
- Applied Object-Oriented Programming (OOP) concepts, including encapsulation and inheritance, to structure application logic.
- Developed a console-based application to practice and implement learned Java concepts in a project-based setting.
- Strengthened fundamental programming and debugging skills through practical application.

SKILLS

- **Programming & Frameworks** - Python, Java, Flask, Streamlit
- **Web Development** - HTML, CSS, JavaScript, Node.js, Express.js, React.js, Bootstrap
- **Databases** - MongoDB, MySQL

PROJECTS

YelpCamp - Full-Stack Campground Review Platform

- Developed a full-stack web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) for users to discover, review, and share campground information.
- Engineered RESTful APIs to handle all CRUD (Create, Read, Update, Delete) operations for campgrounds, user reviews, and comments.
- Implemented a secure user authentication system with sign-up, login, and session management to ensure data privacy and protected user actions.
- Built a dynamic and responsive user interface with React.js, enabling seamless navigation and real-time data interaction for a better user experience.

AI-Powered Disaster Management & Evacuation System

- Developed a predictive model using machine learning to forecast the probability of natural disasters based on environmental and historical data.
- Implemented a Random Forest algorithm in Python with the Scikit-learn library to analyze datasets and classify disaster risk levels with high accuracy.
- Designed the system to automatically generate crucial safety information, including precaution checklists and optimized evacuation routes for affected areas.
- Created a proof-of-concept interface to visualize predictions and disseminate critical safety information, enhancing community preparedness and response time.

CERTIFICATIONS

- CCNA: Introduction to Networks Certification by Cisco
- Java Internship Completion Certificate by Intrainz
- Python Essentials Certification by Cisco

ACHIEVEMENTS

- Awarded Certificate of Achievement in Code Debugging