MOHAMMED SHOAIB ASIM

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ABOUT ME

Passionate and dedicated Computer Science Engineering student with a strong foundation in web development, specializing in front-end technologies like React, Vue.js, and backend frameworks like Node.js and Express.js. With hands-on experience in building responsive, user-friendly web applications and managing databases, I thrive on creating seamless user interfaces and robust backend systems. As an enthusiastic programmer, I am eager to apply my skills in real-world projects and contribute to innovative solutions.

EDUCATION

B.E Computer Science Engineering **Dec 2021 - Present**

- Muffakham Jah College Of Engineering And Technology, Hyderabad
- CGPA : 8

Intermediate **June 2019 - March 2021**

- Narayana Junior College, Hyderabad
- Percentage : 94.8%

Secondary School Certificate **June 2009 - March 2019**

- Jeevadan High School, Kamareddy
- CGPA : 9.7

PROFESSIONAL EXPERIENCE

Intern, Swecha (Summer of AI) **May 2024 - July 2024**

- Worked on AI-focused projects, contributing to the development of cutting-edge solutions.
- Acquired practical knowledge of AI technologies and programming in a team-based setting.
- Improved collaboration and problem-solving abilities in a professional environment.

CERTIFICATIONS/ SHORT COURSES

- Web Development Course (Udemy)
- Python Course (Udemy)
- C Programming (Udemy)
- Pandas (Udemy)

TECHNICAL SKILLS

Programming Languages

- C
- Java
- Python

Frontend

- HTML
- CSS
- JavaScript
- React
- BootStrap
- tailwind CSS

Backend

- Node.js
- express
- MongoDB
- MySQL

EXTRACURRICULAR ACTIVITIES

Associate Tech Head, Computer Society of India (CSI) **Nov 2023 - Aug 2024**

- Played a key role in organizing and leading technical initiatives, enhancing members' learning experiences.
- Mentored and guided peers in various coding projects and technical challenges.
- Actively contributed to the planning and execution of workshops and events, promoting a collaborative tech community.

Tutor

- Delivered personalized tutoring in Maths and Physics, helping students improve their grades and confidence.
- Created engaging lesson plans tailored to individual learning styles and academic goals.
- Facilitated a supportive learning environment, encouraging students to ask questions and explore new concepts.
- Successfully helped students achieve significant improvements in their academic performance.

Hackathons and Coding Competitions

- Participated in various hackathons
- Collaborated with teams to develop innovative solutions under tight deadlines.
- Enhanced problem-solving skills and gained practical experience in coding and project development.

PROJECTS

Dec 2021 - Present

CSI Blogging Website

- Technologies: MongoDB, Express.js, EJS, Node.js, React, CSS, HTML
- Developed a blogging platform for CSI, allowing members to share articles and updates.
- Designed the UI with EJS and React, and implemented RESTful APIs using Node.js and Express.js.
- Utilized MongoDB for data management and improved site performance and security.

Personal Portfolio Website

- Technologies: Next.js, Tailwind CSS, Node.js
- Created a portfolio website to showcase skills and projects using Next.js for SEO and Tailwind CSS for responsive design.
- Integrated interactive components and animations, deploying the site on a cloud platform.

Inventory Management System

- Technologies: Python
- Built a system to manage inventory, including features for item management, transactions, and reporting.
- Designed a user-friendly interface and ensured data accuracy and consistency.

Heart Disease Prediction using Logistic Regression

Technologies: Python, Scikit-learn, Pandas, Numpy

- Developed a logistic regression model to predict heart disease likelihood based on health parameters.
- Applied data cleaning and feature selection, visualizing results with Matplotlib and Seaborn.

Enhancing Energy Efficiency in Wireless Sensor Networks Using an Improved Artificial Bee Colony Algorithm

- Technologies: MATLAB, Artificial Bee Colony Algorithm
- Improved energy efficiency in WSNs using an enhanced ABC algorithm.
- Presented the project at Panoply, demonstrating its impact on energy savings and network performance.

Diabetes Prediction using Machine Learning

- Technologies: Python, Scikit-learn, Pandas, Numpy, Matplotlib
- Created a model to predict diabetes risk using machine learning algorithms like Decision Trees and SVM.
- Performed data normalization and feature scaling, and visualized results with Matplotlib.

Book Store Management System

- Technologies: Python, SQL, Tkinter
- Developed a system for managing book inventory, sales, and customer data.
- Used Tkinter for the GUI and SQL for data management, automating report generation for efficiency.

Chat Application Using Socket.io

- Technologies: Node.js, Express.js, Socket.io, HTML, CSS
- Created a real-time chat app with Socket.io for instant messaging.
- Designed a simple interface and managed user connections and messaging features.

Airline Management System

- Technologies: SQL, VS Code
- Implemented a database-driven system for managing airline operations.
- Created SQL tables, queries, and triggers to handle bookings, schedules, and customer data.