VIKAS KUMAR MADHESIA

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Career Objective

A detail-oriented and motivated final-year Computer Science Engineering student seeking a Software Engineer role to leverage strong programming fundamentals, problem-solving abilities, and a collaborative mindset. Looking to contribute to the development, maintenance, and optimization of innovative software solutions while growing within a dynamic and professional engineering environment.

Education

Pranveer Singh Institute of Technology, Kanpur Bachelor of Technology in Computer Science	Aug 2022 – May 2025
DCSK PG College, Mau Bachelor Of Science	April 2017 – March 2020
Fatima School Intermediate	April 2016 – March 2017

Experience

Web Developer- *Synexoo*   **April 2024 – June 2024**

- Developed and deployed a **responsive Grocery Web App** focusing on **UI/UX design improvements**, aligning with business requirements
- Applied **client-side validations**, enhanced **cross-browser compatibility**, and ensured **mobile responsiveness** to boost user experience.
- Conducted **vulnerability assessments** using **OWASP ZAP** to identify and mitigate security risks.
- Integrated **input validation** and **authentication** to enhance user interaction security.

Projects

Givify

Technologies: MySQL, HTML, CSS, JavaScript

- Spearheaded the **Givify platform**, which simplified the donation process and achieved a **40% increase in user engagement** within 6 months.
- Enhanced **user experience** through **feedback-driven UI/UX improvements**, optimizing donation flows based on insights from over **300+ beta testers.**
- Integrated **secure payment gateways** (Stripe, PayPal), **reducing payment errors by 25%** and enhancing **user trust.**
- Implemented **data encryption** during payment transactions to ensure secure handling of sensitive user information.

SmartFin

Technologies: Python, React.js, Node.js, Express.js, MongoDB

- **Built a full-stack Finance Dashboard using the MERN stack** to visualize and manage personal financial data with real-time insights and modern UI components.
- **Integrated a machine learning model (Linear Regression)** in Python to predict future revenue trends based on historical financial data.
- **Implemented user authentication (JWT) and RESTful APIs**, enabling secure data access and personalized dashboard views.
- Optimized and deployed a fully responsive finance dashboard with real-time interactive charts and efficient state management using **Redux Toolkit**, ensuring seamless user experience across devices**.**

Skills

- **Programming Language** : Java, Python,JavaScript
- **Web Technologie** : React.js, MySQL, NoSQL, Node.js
- **Tools/Technologie** :Visual Studio Code, GitHub, Git, MSOffice (Excel, PowerPoint, Word)
- **Software Engineering Concepts**: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Software Development Life Cycle (SDLC), Debugging, Version Control
- **Soft Skills**: Problem-Solving, Analytical Thinking, Technical Communication, Fast Learner

Certification

- Data Analytics and Visualization Job Simulation - Accenture Certificate
- Java Scripts Basics - COURSERA Certificate
- Introduction To Structured Query Language - COURSERA Certificate
- Introduction To Back-End Development - COURSERA Certificate
- Introduction To Front-End Development - COURSERA Certificate