Vivek Sharma

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Education

CGC College Of Engineering Landran, India
B.Tech in Computer Science Engineering, CGPA – 8.00/10.00 *2022 – 2025 (Expected)*

Swami Devi Dyal College Of Technical Education Panchkula, India
Diploma in Computer Engineering, Percentage – 80.32% *2018 – 2021*

Projects

TalkSphere | *Socket.io, NodeJS, ReactJS, Prisma, PostgreSQL* **July 2024 – August 2024**

- Built a platform with real-time chat and file-sharing capabilities using Socket.io, enabling instant collaboration
- Integrated user authentication,personalized avatars, and a modern UI built with React and Material-UI to enhance user experience
- Enhanced database performance by 30% faster query execution and reduced server load by 25% using Node.js and Prisma ORM for efficient and scalable operations

College-Connect | *HTML, Bootstrap, JavaScript, JQuery, NodeJS, MySQL, Sequelize* **Sep. 2023 – October 2023**

- Revamped a social media platform for college students, enhancing user engagement and facilitating resource sharing among a growing community of active users
- Implemented secure user authentication, profile management, and messaging, resulting in a 20% increase in platform activity and user interaction
- Built a platform for academic collaboration, enabling resource sharing and peer messaging in college environments.

WordMaze | *React, Vite, JavaScript, HTML, CSS* **June 2024**

- Developed an interactive word puzzle game that challenges users to navigate through mazes by solving word puzzles, enhancing cognitive skills and engagement
- Designed and integrated adaptive game mechanics within the interactive word puzzle to enhance user experience and increase engagement
- Check out the live version of the project here: WordMaze Live Site

Technical Skills

Programming Languages: Java, JavaScript, Python
Frontend Libraries/Frameworks: ReactJS, Redux, Material-UI, Styled-Components
Backend Libraries/Frameworks: NodeJS
Databases: MySQL, PostgreSQL, MongoDB
Systems/Platforms: Git, Windows, Github

University Courses

- Discrete Mathematics, Linear Algebra, Data Structures, Algorithm Design
- DBMS, Operating Systems, Computer Networks
- Artificial Intelligence (AI), Machine Learning (ML), Cloud Computing
- Compiler Design, Web Technologies

Certifications

- Introduction to Networking - CISCO ACADEMY (Completed: November 2020)
- Python Programming Masterclass - Udemy (Completed: November 2020)
- Overview of Geocomputation and Geo-web services - ISRO (Completed: October 2023)

Extracurricular Activities

Brainy Branch Competition: Participated in a competitive event where I developed and presented a software product, demonstrating its features and functionalities to a panel of judges, leading to recognition for innovative solutions.