DEEPIKA PENMETSA

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Summary

A skilled Full Stack Developer with experience in React, JavaScript, Python, SQL, and Django. Proficient in UI design, debugging, performance optimization, and API integration. Demonstrated expertise in building scalable web applications. Proven ability to enhance project workflows and development efficiency, aiming to leverage these skills to contribute to innovative and high-performance web solutions.

Technical Skills

Languages and Databases: Python, SQL, Javascript, Typescript, HTML/CSS
Frameworks and Tools: React JS, GitHub, Postman, VS Code, Django
Coursework: Data Structures and Algorithms.

Experience

Central Michigan University   **Jan 2024 - Dec 2024**
Graduate Research Assistant   *Mount Pleasant, MI*

- Assisted Professor Liu Ming's research projects and managed administrative tasks, including 5 hours of weekly office hours to assist students and streamline academic operations
- Delivered lectures to graduate classes on SQL databases and Tableau, enhancing technical proficiency for over 160 students across four sessions.

Sony (Client)   **May 2022 – Jun 2023**
React Full Stack Developer

- Led frontend development using React JS and JavaScript, designing reusable components and enhancing application scalability.
- Streamlined user workflows and improved UI performance through modular architecture and optimized event handling.
- Built backend APIs using Django to support frontend data needs and managed data flow between services
- Worked closely with backend teams to integrate APIs and ensure real-time data rendering for camera ecosystem dashboards.

Ignitarium   **Aug 2020 – Jun 2023**
Frontend Engineer   *Bengaluru, Karnataka*

- Developed and maintained dynamic UI components using React, Redux, and JavaScript for AI-powered visual defect identification tools.
- Collaborated with the deep learning team to integrate frontend interfaces with defect detection models, improving system usability.
- Optimized performance and responsiveness using lazy loading and state management.

Projects

Elevate | GitHub

- Developed the Frontend of a College Club Management Platform using React.js, enabling students to explore, join, and manage clubs.
- Designed and implemented a responsive and interactive UI for club details, announcements, events, and discussions.
- Integrated dynamic navigation, real-time updates, and seamless API interactions for an enhanced user experience.

IPL Dashboard | Live | GitHub

- Designed and implemented an IPL Dashboard using React JS for the 2020 season, serving real-time data for over 30+ matches, 8 teams, and their complete player rosters.
- Utilized React JS for a dynamic and user-friendly interface, showcasing team details and statistics.
- Ensured 100 percent responsive design with interactive components.

Education

Central Michigan University   **Anticipated Graduation: May 2025**
Master of Science in Information Systems; GPA: 3.8   *Mt Pleasant, Michigan*

CCBP Intensive   **Dec 2020 - Jul 2021**
Full Stack Web Development   *Remote*