

# DEEPIKA PENMETSA

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## Summary

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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

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**Languages and Frameworks:** Python, ReactJS, Django, Angular, Javascript, Typescript, SQL, HTML5, CSS3.

**Developer Tools:** Git, Redux, Postman, Swagger, JIRA, Agile Methodologies, JetBrains IDEs, VS Code, Tableau, AWS, AWS S3.

**Core Skills:** Data Structures and Algorithms, System Design, DBMS, Restful APIs, Vibe Coding.

## Experience

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### 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

May 2022 – Jun 2023

*React Full Stack Developer*

*Bengaluru, India*

- Led ReactJS development, built 5+ reusable components, boosted performance and 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
- Collaborated with backend teams, integrated APIs, and enabled real-time data rendering for camera dashboards.

### Ignitarium

Aug 2020 – Jun 2023

*Frontend Engineer*

*Bengaluru, India*

- Developed and maintained 15+ interactive UI components using React and Redux for AI-powered VIS.
- Worked closely with deep learning engineers to seamlessly integrate defect detection models into the frontend.
- Improved application performance by 40% through lazy loading and advanced state management techniques

## Projects

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### JobMatrix - Job Portal System | [🔗 Live](#) | [🐙 GitHub](#) | ReactJS, Redux, MySQL, JWT, Python, Django

May 2025

- Engineered scalable role-based auth (3 roles) with 15+ secure JWT endpoints, enterprise-grade SHA-256 hashing, and seamless SSO integration.
- Designed intuitive 5 dashboards with real-time analytics, 20+ interactive UX components (8+ smart filters, optimized Cloudinary media handling).
- Deployed robust OTP recovery (100% delivery) with 5+ proactive security layers (real-time password strength checks, automated session safeguards).

### Elevate - Student Club Management | [🐙 GitHub](#) | ReactJS, MySQL, Spring Boot, JWT, Rest APIs

Apr 2025

- Built with 15+ modular React components and high-performance Spring Boot backend, featuring 40+ scalable REST APIs for clubs, events, and announcements.
- Secured system with JWT-based auth (3 roles), 15+ relational MySQL tables, and granular access controls for sensitive operations.
- Streamlined deployment via Docker (3-stage build) and CI/CD automation, cutting deployment cycles by 40% and boosting team efficiency.

## Education

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### Central Michigan University

Aug 2023 - May 2025

*Master of Science in Information Systems; GPA: 3.8*

*Mt Pleasant, Michigan*

### CCBP Intensive

Dec 2019 - Jul 2020

*Full Stack Web Development*

*Remote*