Pavan Ambulkar

Full Stack Web Developer | Backend & Frontend Engineer | Expert in JavaScript, Node.js, React, and Django.

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PROFILE SUMMARY

- 3 years of proven experience in **full-stack web development**, delivering scalable and high-performing applications.
- Skilled in **React**, **Redux**, and **JavaScript** for building dynamic, responsive, and user-friendly frontend interfaces.
- Developed robust backend services using **Node.js**, **Django**, and **Flask**, implementing **RESTful APIs** and secure authentication.
- Proficient in **SQL** (MySQL, PostgreSQL, SQLite) and experienced with **ORM tools** like **SQLAlchemy** and **Django ORM** for efficient database interaction.
- Applied **RDBMS design principles** to create normalized, optimized, and query-efficient database schemas.
- Designed and deployed **microservices-based architectures** to achieve modularity, scalability, and ease of maintenance.
- Successfully **deployed projects to cloud platforms** such as **AWS**, **Render**, and others, ensuring reliability and availability.
- Integrated third-party APIs and services to extend application functionality and business logic.
- Collaborated in agile teams with designers, QA, and product managers to deliver **user-focused solutions** on time.
- Led **code reviews**, improved application performance, and maintained clean, well-documented, and maintainable codebases.

WORK EXPERIENCE

Masai School

Software Developer   Nov 2022 - Present

- Designed and developed scalable features for Masai's platforms using **React**, **Redux**, **JavaScript**, and **Node.js**, enhancing UI responsiveness and user engagement.
- Built and integrated **RESTful APIs** to ensure reliable backend communication and support modular system architecture.
- Improved **frontend and backend performance** through code optimization, lazy loading, and efficient state management.
- Optimized **MySQL** queries and indexing to reduce execution times and enhance database performance.
- Implemented **ORM tools** such as **SQLAlchemy and Django ORM** for clean and maintainable database operations in both JavaScript and Python projects.
- Worked on projects using **Django** and **Flask**, applying **RDBMS + ORM** principles to support robust backend logic and API services.
- Contributed to the design and deployment of **microservices** and modular backend components for improved scalability and maintainability.
- Deployed applications on **cloud platforms** like **AWS** and **Render**, managing environment setup, CI/CD pipelines, and monitoring tools.

EDUCATION

Masai School, Bangalore

Full Stack Web Development   Mar 2022 - Nov 2022

Sant Gadge Baba University, Amravati

BE (Mechanical Engineering) - 8.55   Aug 2016 - May 2019

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Govt. College of polytechnic, Amravati

PROJECTS

Masai LMS – Learning Management System 🔗   Aug 2024 - May 2025
- Designed and developed a **comprehensive LMS** for students and admins, streamlining **course management, assignments, grading, and student engagement.**
- **Course creation and enrollment workflows** for admins and instructors.
- **Assignment management** with deadline tracking and submission portals.
- **Automated grading system** with feedback and analytics.
- **Real-time notifications** for announcements, deadlines, and updates.
- **Bulk data management tools** for efficient handling of users and content.
- **Secure authentication** with role-based access and session handling.
- **Tech Stack:** JavaScript, MongoDB/MySQL, JWT, OAuth

Certificate Generation & Distribution System 🔗   Nov 2023 - July 2024
- Developed a **scalable** application to automate certificate generation, reducing **manual effort** and enhancing efficiency.
- **Bulk certificate generation** using dynamic templates and dataset integration.
- **Automated email distribution** with personalized attachments.
- **Role-based access control** for admins, event coordinators, and recipients.
- **Certificate preview, download tracking**, and issuance logs.
- **Tech Stack:** JavaScript, Node.js, React, Express, MongoDB, JWT

Hukumu Platform 🔗   Dec 2022 - Aug 2023
- Designed and developed an end-to-end intelligent interview and evaluation platform aimed at **conducting real-time interviews** for students and professionals.
- Real-time **question projection** and communication interface for interviewers and candidates.
- **Live feedback and grading** with detailed rubrics and performance indicators.
- **Role-based access** for interviewers, candidates, and admins with dashboard analytics.
- **Session recording, performance tracking**, and automatic grading support.
- Bulk student onboarding, data management, and real-time notifications.
- **Tech Stack:** JavaScript, Node.js, React, Express, MongoDB, JWT

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML, CSS
Frameworks & Libraries: React.js, Node.js, Express.js, Django, Flask, Bootstrap, Chakra UI.
Cloud & Databases: AWS, MongoDB, MySQL, SQLite.
DevOps & Tools: Docker, RESTful APIs, OAuth, JWT, Web Sockets.
Development & Version Control: VS Code, Git, GitHub, Postman, JIRA..

Languages

English, Hindi, Marathi