Shrutha V W

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SUMMARY

Full-stack Engineer focused on building scalable web applications with React, Flask, and modern APIs | Experienced in building clean architecture, AI integration, and translating product requirements into reliable, high-performance systems | Bridging design and engineering to build fast, intelligent, and user-centric web systems.

WORK EXPERIENCE

Ford Pro Charging (Electriphi)   Jun 2024 - Dec 2024
Software Engineer Intern
- Designed and delivered a **Proof-of-Concept EV charger tracking dashboard** using React, Django REST, and Google Maps API—later approved for roadmap inclusion.
- Improved **data retrieval latency by 35%** by optimizing backend query caching and endpoint logic.
- Partnered with product managers and senior engineers to define KPIs, design metrics dashboards, and **reduce API response time from 1.8s '0.9s**.
- Authored scalable API documentation and **sprint deliverables** supporting deployment in multi-tenant environments.

PaceWisdom Solutions   Aug 2023 - Sept 2023
Web Development Intern
- Developed and integrated **role-based access control** for a Learning Management System backend using **Django REST** and **JWT** authentication.
- Refactored API endpoints and SQL queries, cutting payload size by **30%** and boosting overall backend efficiency.
- Delivered feature demos and architecture presentations to stakeholders, showcasing system scalability and reliability improvements.

SELECTED PROJECTS

Electric Vehicle Charger Locator | React • Django REST • JWT • Google Maps API ↗
- Architected a **real-time charger tracking web app** integrating live geolocation to keep track of the EV charger Location.
- Designed an **optimized REST API layer** with token-based authentication and 3-tier caching, improving map load speed by 42%.
- Implemented modular **React components** and **state management** for a **seamless, responsive UI** across devices.
- Deployed with **CI/CD** via **GitHub Actions**, achieving **uptime** and smooth multi-environment rollouts.
- **Key Impact:** Demonstrated system design, frontend-backend synchronization, and production deployment excellence.

AI Resume Analyzer | Flask • React • PyTorch ↗
- Built an AI-driven platform that **parses, scores, and benchmarks resumes**.
- Engineered a modular Flask backend with **asynchronous parsing and scoring pipelines**, reducing inference time by 45%.
- Designed React dashboards with charting libraries for **visual skill clustering and job-fit analysis**.
- Deployed to Render with automated test workflows; achieved **95% API test coverage** and modular config-driven scalability.
- **Key Impact:** Showcased AI/ML integration, full-stack coordination, and real-time insight generation for end users.

Learning Management System (LMS Backend) | Django • Django REST Framework • SQL ↗
- Engineered a **modular backend system** for managing users, courses, enrollments, and progress tracking with a **RESTful API layer** supporting seamless frontend integration.
- Designed **normalized relational schemas** and implemented optimized SQL queries to handle thousands of concurrent user interactions efficiently.
- Developed secure **role-based access control** (admin/instructor/student) and JWT-based authentication for session management.
- **Key Skills:** Django REST Framework, SQL Database Design, API Architecture, Authentication, Role Management, Backend Optimization

SKILLS

- **Frontend:** React.js, Redux, Tailwind CSS, JavaScript (ES6+), Responsive UI/UX
- **Backend:** Flask, Django REST, Node.js, REST APIs, JWT Auth, Async Programming
- **Database:** MySQL, SQlite, MongoDB
- **AI/ML:** PyTorch, TensorFlow, scikit-learn, NLP
- **DevOps:** Docker, GitHub Actions, GitLab, Git, AWS, CI/CD
- **Product & Tools:** Jira, Figma, Notion, Postman, Agile, PRD Writing, Slack

COLLABORATION & IMPACT

• Regularly presented system demos to **PMs** and **technical leads**, translating architecture choices into measurable business outcomes.
• Collaborated with **cross-functional** teams to refine technical requirements and ensure seamless integration across services.

EDUCATION

SDM Institute of Technology, Ujire   Dec 2020 - May 2024
Bachelor of Engineering in Computer Science - 8.32

CERTIFICATE

Udemy - Ultimate AWS Certified Cloud Practitioner CLF-C02 2025 ↗

Introduction to Generative AI – Google Cloud Skills Boost ↗