Shashank R

(Software Engineer, Developer)
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WORK EXPERIENCE

Yuga Yatra Retail (OPC) Private Limited   June 2025 − Sep 2025
Remote (Software Engineer)   *Bengaluru, Karnataka*

- Developed and maintained application modules using **JavaScript, REST APIs, and modern web technologies**, improving overall system performance and reliability.
- Integrated backend services with front-end components, ensuring seamless data flow and efficient client–server communication.
- Performed debugging, unit testing, and validation of features using developer tools and version control (Git), ensuring stable and error-free deployments.

EDUCATION

Surana College (Autonomous)   Jan 2024 − Oct 2025
Master of Computer Application (MCA)   *Bengaluru, Karnataka*

PROJECTS

College Portal – Full Stack Web Application ⬈ / Python, PostgreSQL, CSS, JavaScript

- Developed a modular college management system using **Django MVC**, implementing authentication, RBAC, and session management.
- Designed relational data models and optimized database operations using **PostgreSQL + Django ORM**.
- Implemented **real-time mentor allocation workflow**, auto-mapping students to mentors using backend algorithms.
- Configured production-ready setup: **Gunicorn, Render deployment YAML, environment variables, runtime config, and build scripts**.
- GitHub Repository Here

AI-Driven Diet & Workout Recommendation ⬈ / ML, CNN, Python, Flask.

- Using **Random Forest, SVM, Logistic Regression, and a CNN deep learning model**, trained on **15,000+ structured health records** with complete preprocessing (scaling, encoding, cleaning).
- **Achieved 94.2% accuracy, 0.93 F1-score, and 96% top-3 precision** on a **70/15/15 split**, optimizing hyper parameters and storing reproducible model artifacts (`diet_model.pkl`, `diet_cnn_model.h5`, `scaler.pkl`).
- **Deployed the system via Flask REST APIs** enabling real-time personalized predictions with **<1.5s inference latency**, ensuring smooth integration with the UI and production-grade performance.
- GitHub Repository

TECHNICAL SKILLS

Programming Language and Data Science: Python, data visualization, supervised and unsupervised learning algorithms, Machine Learning.

Technologies/Frameworks: Numpy, Pandas, MatplotLib, Scikit-learn, REST APIs, Flask, Django, Cloud Computing, Css, HTML, JavaScript, Reactjs.

Database: DBMS, PostgreL, MongoDB

Developer Tools: VS Code, PyCharm, GitHub, Jupyter Notebook, Amazon Web Service.

CERTIFICATIONS

- **Python Full Stack Developer − Edu Skill (AICTE)**

SOFT SKILLS

- **Analytical Thinking · Effective Communication · Leadership · Adaptability**

INTERESTS

- **AI/ML · Software Development · Prompt Engineer**