SELVA RANI S

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OBJECTIVE

Full Stack Developer with hands-on experience delivering production-ready applications using Flask, REST APIs, MySQL, and JavaScript. Built ML-powered tools with 85% prediction accuracy and developed 3D e-commerce systems that reduced return rates by 30%. Proficient in Python, Scikit-learn, Pandas, and modern frontend/backend integration. Looking to contribute to dynamic teams building data-driven, scalable, and user-centric digital products.

Skills

Language
- python, JavaScript, SQL, HTML5, CSS3

Data analysis and ML
- Numpy, Pandas, Matplotlib,Scikit-learn

Database
- MySQL,SQLite

version control
- Git, Github

Web Development
- Flask, RESTful APIs, Jinja2, Flask-WTF, AJAX

Projects

Student performance prediction using Machine Learning - Demo 🔗
- Built ML web app using Flask, Scikit-learn, and Pandas with CSV upload, secure login, and Matplotlib dashboards.
- Achieved 85% accuracy, enabling early student risk detection and reducing manual data tracking by 60%.

E-Commerce Platform with WebGL-Powered Product Visualization - Demo 🔗
- Developed full-stack system using Flask, MySQL, Three.js, and JavaScript with 3D viewer, login, and payment simulation.
- Reduced return rates by 60%, supported 100+ users, and enabled real-time inventory analytics with Matplotlib.

Internship

Python Full Stack Developer   2024/12 – 2025/02
Infosys springboard
- Built modular e-commerce app using Flask, MySQL, and REST APIs with cart, login, and responsive UI.
- Integrated frontend/backend in Agile team, ensured cross-browser support, and maintained version control with GitHub.

Certificates

- Research methodology - NPTEL
- Fundamentals of Artificial Intelligence -NPTEL

Education

MASTER OF COMPUTER APPLICATIONS   2023 – 2025 | Coimbatore
Hindusthan College of Engineering and Technology
- cgpa - 8.5

BACHELOR OF COMPUTER APPLICATIONS   2020 – 2023 | Tiruchirappalli
Bishop Heber College
- cgpa - 8