

SELVA RANI S

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OBJECTIVE

Versatile and detail-oriented Full-Stack Developer with hands-on experience in building dynamic web applications, inventory-driven e-commerce platforms, and data visualization dashboards using Python, Flask, SQL, and Matplotlib. Skilled in developing responsive front-end interfaces, secure back-end systems, and real-time stock tracking solutions. Seeking a challenging role to contribute technical expertise in web development, database optimization, and data analytics to build scalable, user-centric digital solutions.

Skills

Programming language

C,Python,JavaScript

Database Management

MySQL, SQL, Flask-SQLAlchemy

Web Development

Flask,RESTful APIs, HTML, CSS

Tools & DevOps

Git, GitHub

Data Visualization

Matplotlib, Seaborn

Education

MASTER OF COMPUTER APPLICATIONS

Hindusthan College of Engineering and Technology
percentage-80

2023 – 2025

Coimbatore

BACHELOR OF COMPUTER APPLICATIONS

Bishop Heber College
Percentage-80

2020 – 2023

Tiruchirappalli

HSC

Infant Jesus Matric Hr Sec School
Percentage-80

2019 – 2020

Devakottai

SSLC

Infant Jesus Matric Hr Sec School
Percentage-79

2017 – 2018

Devakottai

Projects

Interactive Fashion E-commerce Platform

- Integrated user authentication and session management to ensure secure and personalized shopping experiences.
- Optimized SQL queries, improving API response time by 60%.
- Enabled admin features for inventory tracking, product updates, and stock control.

E-Commerce Platform with WebGL-Powered Product Visualization

- Developed a 3D product configurator reducing return rates by 30%.
- Built and integrated an inventory analytics module using Matplotlib to visualize stock levels, revenue trends, and shipping status
- Supported 100+ concurrent transactions with secure payment and scalable architecture.

Internship

Python Full Stack Developer

2024/12 – 2025/02

Infosys springboard

- Engineered a fully functional Interactive Fashion E-commerce Platform with a modular MVC architecture using Flask, Python, HTML/CSS, JavaScript, and MySQL.
- Collaborated with the back-end team to consume and render RESTful API data, ensuring efficient and secure data presentation.
- Built mobile-first UI components and ensured cross-browser compatibility and accessibility standards.