

AJAY KUMAR S

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Education

B.E. in Information Science and Engineering

Sir M Visvesvaraya Institute of Technology, Bengaluru

2022 – 2025

CGPA: 8.74 / 10

Diploma

KVT Polytechnic, Chikkaballapur

2019 – 2022

82.5%

Technical Skills

Languages	: Python, SQL, JavaScript
Frontend	: HTML, CSS, React.js
Backend	: Django, Flask, REST APIs
Libraries	: NumPy, Pandas, Scikit-learn, Matplotlib
Databases	: MySQL, SQLite
Tools	: Git, GitHub, VS Code
Core Concepts	: DSA, OOP, DBMS, OS, Computer Networks

Experience

Python Full Stack Developer Trainee – Pentagon Space, Bengaluru

2025 – Present

- Completed hands-on training in Python, SQL, HTML, CSS, JavaScript, React.js, and Django for full-stack web development.
- Developed a **Books Stock Management System** using Flask and SQLite to manage inventory, suppliers, and stock tracking.
- Implemented features like low-stock alerts, dashboard analytics, and CSV/Excel export to improve usability and efficiency.

AI / ML Intern – Rooman Technologies, Bengaluru

Sep 2024 – Feb 2025

- Developed machine learning models using Python and scikit-learn for classification and prediction tasks.
- Built an **Automated Model Selection system** to identify the best-performing ML model for datasets.
- Performed data preprocessing, feature engineering, and model evaluation to improve accuracy.

Projects

Smart Agriculture Monitoring System

Dec 2024 - Apr 2025

IoT, Python, ML, HTML, CSS

- Designed an IoT-based system to monitor environmental parameters such as temperature, humidity, soil moisture, motion, and rainfall.
- Integrated ThingSpeak for real-time data visualization and remote monitoring.
- Developed a machine learning-based plant recommendation system achieving **90% accuracy** with alert notifications.

MiniMarket – Online Supermarket Web Application

Jun 2024 - Aug 2024

Django, HTML, CSS, JavaScript, React, SQLite

- Developed a Django-based e-commerce platform with user authentication, shopping cart, and order management features.
- Designed product catalog with image, pricing, and inventory tracking integrated with SQLite database.
- Built responsive user interface using HTML, CSS, JavaScript, and React for enhanced user experience.

Certifications

- Python – Advi Group of Companies
- SQL – HackerRank