

Kasagoni Sowmya Sri

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Summary

Software Engineer with strong foundations in full-stack development, scalable systems, and machine learning. Experienced in building APIs, debugging issues, and writing modular, high-quality code using Django, Flask, TensorFlow, and React. Strong problem-solving and system design skills aligned with Meta's engineering standards.

Skills

Languages: Python, Java, JavaScript, SQL, C++ (working)

Frameworks: Django, Flask, React, Node.js, Express.js, TensorFlow, Keras, Scikit-learn

Backend & Tools: REST APIs, Git, CI/CD basics, Unit Testing, Debugging

Databases: MySQL, SQLite, MongoDB

Core CS: DSA, OS, DBMS, Networks, OOP

Soft Skills: Communication, Collaboration, Mentoring

Experience

Freelance Software Engineer — Singapore Client (Remote)

Jun 2025 – Aug 2025

- Built a production-ready web platform improving UI responsiveness and user experience.
- Improved load speed by **30%** through optimization and code refactoring.
- Ensured deployment stability with **100% uptime** using testing and version control.
- Delivered features on schedule through requirement analysis and iterative development.

Projects

Mental Health Lifestyle & Nutrition App (Django + ML)

Oct 2025 – Present

- Developing ML-driven mood prediction and personalized lifestyle recommendation system.
- Implementing authentication, dashboards, and REST APIs using Django and scalable architecture.
- Added modular components with unit-test coverage and reusable structures.

Skin Cancer Detection — Deep Learning

Apr 2025 – May 2025

- Built CNN, XGBoost, and Random Forest models achieving **72% accuracy**.
- Evaluated models using ROC/AUC and confusion matrix for performance insights.

Python Rental Management System

Dec 2024 – Jan 2025

- Developed a booking and billing management platform using Python + SQLite.
- Increased system stability by **40%** through validation and error handling improvements.

Education

SR University — B.Tech in Computer Science

Sept 2022 – May 2026

GPA: 8.5/10 • Coursework: DSA, ML, OS, DBMS, Networks, NLP, Deep Learning

Certifications

AWS Cloud Foundations • AWS Web Application Builder • AWS Data Pipeline Builder

Achievements

Smart India Hackathon (University Round) • 120+ LeetCode Problems Solved • 6 Problem Solving & 5 Python Badges on HackerRank • Trained 120+ students in Python/Java • Delivered 150+ soft-skills sessions