

# **SWATHI S P**

AI & Machine Learning

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## **PROFESSIONAL SUMMARY**

Computer Science Engineering student specializing in Artificial Intelligence and Machine Learning. Experienced in developing machine learning models and deploying them through Flask-based web applications. Strong skills in Python, data preprocessing, predictive modeling, and backend integration. Demonstrates a disciplined learning mindset and actively seeks opportunities to apply AI skills in technology-driven organizations, including Japanese companies.

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## **EDUCATION**

B.E – Computer Science Engineering (Artificial Intelligence and Machine Learning)

M Kumarasamy College of Engineering, Tamil Nadu

CGPA: 7.6 / 10 | 2023 – Present

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## **TECHNICAL SKILLS**

Python | Machine Learning | Linear Regression | Supervised Learning

Model Training | Model Evaluation | Data Preprocessing | Flask | MySQL

NumPy | Pandas | Matplotlib | Scikit-learn

HTML | CSS | JavaScript (Basics)

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## **PROJECT EXPERIENCE**

AI Weather Prediction System

Developed a machine learning-based weather prediction system using Linear Regression. Performed data cleaning, preprocessing, and feature selection to improve accuracy. Deployed the trained model using Flask backend and integrated MySQL database.

ChefSphere – AI Smart Kitchen Management System

Built an AI-based backend system for personalized kitchen management. Implemented user authentication and data handling using Flask and MySQL. Designed a modular backend architecture for scalability and maintainability.

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## **CERTIFICATIONS**

JLPT N5 – Passed

JLPT N4 – Appeared

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## **LANGUAGES**

English – Professional Proficiency

Japanese – JLPT N4

Tamil – Native

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## **CAREER OBJECTIVE**

To apply my knowledge of Artificial Intelligence and Machine Learning in a professional environment, continuously enhance my technical skills, and contribute to the development of practical and impactful AI-driven solutions.