Kavya C K S

9629612052 | kavyasaravanan1255@gmail.com | linkedin.com/in/kavya-c-k-s-bab748342

Summary

3rd-year Computer Science student specializing in AI & Machine Learning with strong skills in Python, data analytics, visualization, and deep learning. Passionate about applying data-driven insights and building scalable applications.

Technical Skills

Languages: Python, C, Java, SQL, HTML
Skills: Data Analytics, Web Development, Machine Learning
Frameworks: Pandas, NumPy
Databases: MySQL, MongoDB
Visualization: Matplotlib, Seaborn, Power BI

Projects

Smart Ambulance Routing System
- Built a routing system using Python, Mapbox, and HERE API to optimize ambulance paths with real-time traffic.
- Integrated regression-based ETA prediction and Twilio SMS alerts for quicker emergency response.
- Designed a Flask-based web interface for live route visualization.

Fashion Item Classifier
- Built a Convolutional Neural Network (CNN) using TensorFlow & Keras to classify fashion images from the Kaggle dataset into categories such as Apparel, Footwear, Accessories, and Personal Care.
- Achieved 88% validation accuracy and visualized predictions for performance evaluation.
- Saved trained model and training history for future deployment and analysis.

Netflix Recommendation System
- Developed ML-based recommendation engine with TensorFlow & PyTorch using collaborative and content-based filtering.
- Used Apache Spark for distributed processing and MongoDB for scalable data storage.
- Built dashboards with Matplotlib and Seaborn for result interpretation.

Education

Rajalakshmi Institute of Technology, Chennai
B.E. in Computer Science (AI & ML)
CGPA: 9.04

Velammal Matriculation & Higher Secondary School, Chennai
Higher Secondary Education – 92.3%

Certificates

- Data Structures & Algorithms in Python – Infosys
- Introduction to Deep Learning – Infosys
- Introduction to MongoDB – MongoDB
- Python Libraries for Data Science – Simplilearn
- Tableau Data Visualization Basics – Simplilearn
- AWS Academy Graduate – ML for NLP