LATHIKA K

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OBJECTIVE

Highly motivated fresher seeking to apply technical foundation and solution-oriented approach in a dynamic environment for continuous growth and impactful contribution.

EDUCATION

The American College, Madurai ***CGPA: 8.6/10 (Present)***
M.Sc Data Science | 2024 - Present

The American College, Madurai ***CGPA: 8.6/10***
B.Sc Computer Science | 2021 - 2024

MANU Girls Higher Secondary School ***Percentage: 81.29%***
12th | 2020 - 2021

SKILL

Programming Languages: Python, R (Intermediate)
Web Development: HTML, CSS
Database: MySQL
Version Control Tools and IDE: GitHub, Visual Studio Code
AI/ML Development: Machine Learning, Algorithms, Data Preprocessing & Model Development
Data Analytics: Python libraries (Numpy, Pandas, Matplotlib, scikit-learn), Power BI
Soft Skills: Collaboration, Communication, Teamwork, Time Management, Leadership.

INTERNSHIP

Python Developer Intern
Tarcin Robotic LLP, Madurai | *May 2025 – June 2025*

- Gain hands-on experience applying advanced Generative AI models for practical content creation.
- Develop real-world skills in Prompt Engineering to drive precise, professional AI outputs.
- Build proficiency in using Python to manage end-to-end data processing and content development pipelines.

PERSONAL PROJECTS

Web-Based Building Material Supplier Management

- Created a full-stack material management system, enabling efficient control over purchasing, sales, inventory, and pricing.
- Automated critical administrative tasks like stock tracking and sales/purchase report generation for streamlined operations.
- Technical stack: PHP backend, MySQL database, and HTML/CSS/JavaScript frontend development.

Soil Health Index Prediction Using Machine Learning

- Developed an ML-based system to compute and classify the Soil Health Index (SHI) using six key soil parameters (pH, EC, OC, N, P, K).
- Achieved high accuracy by implementing and optimizing the Random Forest Classifier to categorize soil health into Low, Medium, and High.
- Technical stack: Python (Pandas, Scikit-learn) for data processing, model building, and analysis.