

RAMKUMAR S

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OBJECTIVE

Highly motivated M.Sc. Applied Data Science student with strong skills in Python, SQL, and analytical problem-solving. Skilled in data analysis, algorithmic thinking, and software development, with a focus on building data-driven and scalable solutions to support business growth.

EDUCATION

MASTER OF SCIENCE - APPLIED DATA SCIENCE

SRM University, Kattankulathur 2024-2026

CGPA:8.42

BACHELOR OF COMPUTER SCIENCE

VIT University, Vellore 2021-2024

CGPA:8.17

SKILLS

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|-------------------|---|
| Programming | Python, Java, SQL |
| Concepts: | DSA, OOP, OS, Agile methodology, ML, EDA |
| Database | MySQL, Oracle, MongoDB |
| Tools /Platforms | GitHub, Docker, PowerBI, Pandas, Numpy, Matplotlib, Tensorflow, Tableau |
| Web Technologies: | HTML, CSS, JavaScript (Basics) |
| Soft Skills | Analytical Thinking, Problem Solving, Team Collaboration, Communication |

PROJECTS

RENEWABLE ENERGY TREND ANALYSIS AND FORECASTING

- Collected and analyzed 10-year renewable energy data (solar, wind, hydro) using Python.
- Built an ARIMA model to forecast future energy production trends.
- Visualized predictions and extracted insights for sustainability planning.

E-COMMERCE INVENTORY MANAGEMENT SYSTEM

- Developed an E-Commerce Inventory Management System using Python and MySQL to handle product catalog, stock availability, and customer orders.
- Automated inventory updates with Python scripts, ensuring real-time tracking of stock after each transaction.
- Enhanced user experience by integrating search, filter, and order management features for efficient operations.

IOT-BASED LASER SECURITY SYSTEM

- Created an IoT-based laser security system with motion-triggered alerts and real-time monitoring.
- Integrated live camera surveillance, SMS/phone alert systems, and LPG gas leak detection.
- Enhanced home safety features through real-time threat identification and hazard prevention.

CERTIFICATIONS

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| AWS CLOUD VIRTUAL INTERNSHIP | April-June 2025 |
| GOOGLE AI-ML VIRTUAL INTERNSHIP (GOOGLE FOR DEVELOPERS). | Oct-Dec 2024 |
| INTRODUCTION TO FRONT-END DEVELOPMENT(META) | Feb 21, 2023 |