

RAMKUMAR S

9566367250 ◇ Vellore, Tamil Nadu

ramkumar.dev@gmail.com ◇ www.linkedin.com/in/ramkumar-s-027949357 ◇ github.com/Ramkumar2521

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

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 |