

# SURYA M

## DATA ENGINEER

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### Profile

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### Professional Summary

A highly motivated AI & Data Science student with hands-on experience in machine learning, Python, and web development. Adept at developing AI-powered solutions to solve real-world problems, with a strong focus on security and system automation.

### Skills

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- **Programming Languages:** Python , Programming C(basics) , Java(basics)
- **Web Development:** HTML , CSS , JS
- **Libraries:** Pandas, NumPy, TensorFlow, Scikit-learn
- **Data Visualization:** Matplotlib, Seaborn, Power BI
- **Database Management:** MySQL, MongoDB
- **Soft Skills:** Problem-solving, Collaboration, Communication

### Education

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**DEGREE** - Bachelor of Technology in Artificial Intelligence and Data Science

**COLLEGE** - KIT-Kalaignarkaranidhi Institute of Technology, Coimbatore

**Expected Graduation:** May 2026

- **Relevant Courses:** Machine Learning, Deep Learning, Web Development, Data Structures, Fundamentals of Data Science, Artificial Intelligence, Data Mining, IOT

### Projects

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#### Career Guidance ChatBot

- My project using NLP and machine learning to provide personalized career advice by analyzing user profiles and interests.
- It offers real-time, interactive guidance and continuously improves based on user feedback and evolving career data.

#### Heart Rate Monitoring Security Watch

- Developed a system that monitors heartbeats and detects abnormal rates, sending alerts to authorized persons in critical situations.

## Experience

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### Python With DataBase Implant :

Gateway Software Solutions,Gandhipuram-Coimbatore | FEBRUARY 2024

- Developed and optimized database-driven applications using Python to manage and analyze large datasets
- Implemented data extraction, transformation, and loading (ETL) processes
- Integrated Python with relational databases such as MySQL and PostgreSQL, and utilized SQL queries for efficient data retrieval and manipulation

### Data Science Intern:

Profeena Infotech, Pollachi | JULY 2024

- I am applying exploratory data analysis (EDA) techniques to uncover insights from complex datasets
- I am also involved in developing an Amazon recommendation system to enhance personalized product suggestions using machine learning.
- Analyzed large datasets using Pandas and presented insights to the team, improving decision-making processes.
- Deployed machine learning models on AWS, reducing infrastructure costs by 10%.

## Certifications

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- **Infosys (Achievements) :**
  - Python Foundation (December 2023) - [Infosys](#)
  - Web Development (May 2024) - [Infosys](#)
  - Artificial Intelligence Foundation (December 2023) - [Infosys](#)
  - Data Science Foundation (May 2024) - [Infosys](#)
  - Machine Learning with Python (May 2024) - [Infosys](#)
- **Coursera :**
  - R Programming - [View](#)
  - Foundation of DataScience) - [View](#)
  - Data Analytics - [View](#)
  - Software Engineering - [View](#)
  - Professional Data Engineer - [View](#)
- **Altair :**
  - Data Engineering Master Certification (May 2024) - [ALTAIR](#)
  - Data Engineering Professional Certification (May 2024) - [ALTAIR](#)
  - Machine Learning Master Certification (June 2024) - [ALTAIR](#)
  - Machine Learning Professional Certification (June 2024) - [ALTAIR](#)
  - Applications & Use cases Professional Certification (July 2024) - [ALTAIR](#)

## Languages

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- English (Fluent)
- Tamil (Native)

