

Soorian A Kathiravan

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PROFILE:

An undergraduate student pursuing a dual degree in Data Science at IIT Madras and Physics at VIT Vellore. My areas of interest include Machine Learning, Computational Sciences and Deep learning. I am passionate about research and eager to contribute to projects in Data Science, Computational Science, and interdisciplinary fields.

EDUCATION:

- **Bachelor of Science in Data Science and Applications**
Indian Institute of Technology Madras
2022 – Present | CGPA: 8.23

- **Integrated Master of Science in Physics**
Vellore Institute of Technology (VIT), Vellore
2022 – Present | CGPA: 8.75

Language proficiency:

- English: Fluent (medium of instruction for university studies)

SKILLS:

- Machine Learning
 - Deep understanding of machine learning concepts and algorithms.
 - Experience with supervised and unsupervised learning techniques.

- Programming Languages and Libraries
 - Python (for data analysis, machine learning, and application development)
 - Scikit-Learn (machine learning)
 - Pandas, NumPy, Seaborn, Matplotlib (data analysis and visualization)
 - Python Flask (application development)

- Physical Sciences
 - Strong foundation in fundamental physics
 - Knowledge of Quantum Information Technology
 - Familiar with research methodology: designing experiments, hypothesis testing, and data interpretation

CERTIFICATIONS:

- Foundation in Data Science – Indian Institute of Technology, Madras
- Diploma in Programming Indian Institute of Technology, Madras (Expected Completion: April 2025)
- Diploma in Data Science Indian Institute of Technology, Madras (Expected Completion: April 2025)

PROJECTS:

- Home Servicing Application – Developed using Python-Flask, HTML, and CSS (Completed)
- Malware Infection Prediction System – Using machine learning to predict the probability of a system getting infected by various families of malware, based on system properties (Ongoing)