

Suriya G

Aspiring Data Scientist
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PROFILE SUMMARY

*Proactive data science enthusiast with a solid foundation in **Python, ML, SQL, Tableau, and GenAI**. At **HAL**, introduced **Tableau** to the IT department, improving data workflows and **cutting reporting time by 50%**. Currently **researching Federated Learning** in NLP at UPNM, focused on privacy-preserving AI. Skilled in **organizing Python workshops**, and known for leadership as a **4-time merit scholar and Program Representative** during my masters.*

PROFESSIONAL EXPERIENCE

AI Research Intern

Jan. 2025 – Apr. 2025

UPNM University

Kuala Lumpur, Malaysia

- Researched and benchmarked various **Federated Learning** models combined with LLMs to determine the most effective approach for **military application**
- Evaluated model performance on **open source military datasets**, articles, OSINT and ensuring AI adoption in sensitive defense sectors while maintaining high security and data privacy.
- Compared and analyzed federated architectures to **recommend the best AI solutions** for secure, decentralized intelligence in defense systems.
- Preparing research for publication in **high-impact journals**, contributing to the advancement of AI in military.

Data Analyst Intern

May. 2023 – Jun. 2023

Hindustan Aeronautics Limited (HAL)

Bangalore, India

- Designed "**Helicopter Failure Analysis**" project, organising and cleaning data for meaningful dashboards.
- Optimally used **Excel, Python, SQL, and Tableau** to clean data, analyze it, and craft interactive dashboards.
- Strengthened soft skills in independent and team work, honing problem-solving and decision-making capabilities.
- Introduced Tableau in the IT department, **improving dashboard efficiency** and enabling faster, data-driven decisions

EDUCATION

VIT University, Vellore

Sept. 2020 – May 2025

MSc Computational Statistics and Data Analytics (Integrated)

CGPA 9.39/10.0

TECHNICAL SKILLS

Tools: Python, SQL, Tableau, R, Excel, AWS, Pandas, NumPy, Matplotlib, Tensorflow, Scikit-Learn

Hard Skills: Git, Generative AI, Prompt Engineering, Data Visualisation, Machine Learning, Deep Learning.

Soft Skills: Storytelling, highly adaptable, Problem Solving

PROJECTS

Credit Risk Classification | *Python, Machine Learning*

[\(GitHub Link\)](#)

- Implemented end-to-end credit risk classification, involving **data transformation, hyperparameter tuning**. Achieved 73 % precision with Naive Bayes

Visual Analysis of Union Budget 2025-26 | *Tableau*

[\(Dashboard Link\)](#)

- Built budget dashboard visualizing 5.06T allocation across 56 sectors with 4.80 % deficit reduction.
- Analyzed tax reform impacts, quantifying savings of up to 15% for middle-income brackets.

Analysis of vehicle Accidents | *MySQL*

[\(GitHub Link\)](#)

- Fabricated a thorough analysis of accidents using **JOIN, DECLARE, CASE, SET, WITH** functions, uncovering hidden patterns

Customized Chatbot using LLM Finetuning | *Python, Generative AI*

- Developed a chatbot using a customized university dataset, leveraging **Llama3, HuggingFace, LangChain, RAG** framework to enhance functionality.
- Currently, Building it as a website, so that everybody can access it seamlessly.