SATHISHKUMAR N

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Objective

Data Science student with strong proficiency in Python, machine learning, deep learning, and large language models (LLMs), along with hands-on experience in cloud platforms such as Azure. Passionate about building intelligent systems that extract insights from complex data. Seeking a dynamic role to apply data-driven techniques and contribute to AI-powered solutions in real-world applications.

Education

Annamalai University, BE CSE (Data Science) *Sept 2021 – May 2025*
CGPA: 7.5

St. Arulanandar. Hr. Sec. School, HSC *June 2020 – April 2021*
Percentage: 85.5%

Wilhelm high School, SSLC *June 2018 – April 2019*
Percentage: 81.2%

Experience

Data Science Intern, Galaxy Technology Services (GTS) *June 2025 – Aug 2025*

- Worked on end-to-end machine learning workflows, including data preprocessing, feature selection, model training, and evaluation.
- Built and fine-tuned models using **scikit-learn** and **TensorFlow** for classification and prediction tasks.
- Integrated **Large Language Models (LLMs)** to extract and summarize unstructured data using APIs like OpenAI and Gemini.
- Deployed models on cloud platforms using **Azure** and containerized services with **Docker**.
- Created dashboards and visualizations using **Matplotlib, Seaborn**, and **Streamlit** for stakeholder presentations.
- Collaborated in Agile teams and participated in daily stand-ups, code reviews, and sprint planning.

Data Science Intern, Shiash Info Solutions *June 2024 – July 2024*

- Worked on projects using machine learning algorithms such as linear regression, logistic regression, and random forest.
- Handled data preprocessing, model development, performance evaluation, and model tuning.
- Interpreted results to provide actionable business insights.

Bussiness Analytic's Intern, YBI Foundations *July 2023 – Aug 2023*

- Built ML models and handled data preprocessing, feature engineering, and EDA.
- Collaborated with team to meet project goals and real-world applications.

Projects

AI-Powered Career Guidance System

- Developed an intelligent agent-based application that extracts key information (skills, experience, education) from resumes using AI and NLP.
- Matched extracted candidate profiles to suitable job roles by analyzing resume content and comparing with a skills-job role mapping.
- Utilized **CrewAI** for orchestrating agents, including a Resume Parser, Job Matcher, and Career Recommender using LLMs (Gemini).
- Built the frontend using **React.js** for interactive resume uploads and job suggestion interface.
- Managed backend logic with **Node.js**, integrating API endpoints, PDF parsing, and agent workflows.
- Enabled personalized job recommendations across domains (Engineering, Arts, Medicine, Law, etc.) using LLM-based matching.

Spam Detection in Social Network

- Developed a classification model to detect spam messages on social media using natural language processing (NLP) techniques.
- Preprocessed text data using tokenization, stopword removal, and vectorization; trained models such as **Naive Bayes** and **SVM**.
- Achieved high accuracy and performance using tools like **Python**, **Scikit-learn**, **Pandas**, **NLTK**, and **Matplotlib**.

Mileage Prediction

- Developed a predictive model to estimate vehicle mileage using Python and machine learning techniques.
- Performed data analysis and visualization using **Pandas**, **NumPy**, and **Seaborn**, achieving accurate mileage forecasts.

Insurance Charges Prediction

- Built a machine learning model to predict insurance charges based on features like age, BMI, and smoking status.
- Utilized Python libraries such as **Pandas**, **NumPy**, and **Seaborn** for data analysis, visualization, and model development.

Skills

Programming Languages: Python, JavaScript, R
Machine Learning: Scikit-learn, TensorFlow, Regression Models , Classification model
NLP and LLMs: NLTK, spaCy, Google Gemini, CrewAI
Data Analysis & Visualization: Pandas, NumPy, Seaborn, Matplotlib

Orchestration Frameworks: CrewAI (Agents, Tasks, YAML config)
Tools & Platforms: Git, Jupyter Notebook, VS Code
Soft Skills: Analytical Thinking, Problem Solving, Team Collaboration, Communication

Languages Known

Tamil
English