SUJAN S

22PD35

Gender	Male
Date of Birth	13th September 2004
Languages known	English, Tamil
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OBJECTIVE

To obtain a position as a student intern from May 2025 to November 2025.

ACADEMIC QUALIFICATION

Currently pursuing 3rd year of 5 year Integrated M.Sc. Data Science at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

SKILL SET

Languages	C++, Python, SQL
Libraries and frameworks	Pandas, Streamlit, Scikit-learn, TensorFlow
Tools	PowerBI, Gephi, Excel, VS Code

AREAS OF INTEREST

- Data Analytics and Visualization
- Supervised learning
- Data Structures and Algorithms

ACADEMIC RECORD

- **M.Sc Data Science** — *2022-2027*
  PSG College of Technology, Coimbatore — **7.02 CGPA**

- **XII (Higher secondary, CBSE)** — *2022*
  Sri Chaitanya Educational Institutes, Coimbatore — **90.20 %**

- **X (CBSE)** — *2020*
  VAV International School, Udumalpet — **91.40 %**

NON-ACADEMIC PROJECTS

- **Personal AI Communication Assistant**

  Developed an AI assistant for automating communication across Gmail, Slack, and WhatsApp. Utilized **Google Gemini** for NLP-based summarization and smart replies. Integrated **Selenium** for WhatsApp automation and **Flask** for API interactions. Employed **TF-IDF** for task extraction and **SQLite** for data storage.

- **Churn Forecast**

  The project predicts customer churn for a telecom company using **machine learning**. Several models like **Logistic Regression, Random Forest,** and **SVM** are built and assessed. The goal is to create a robust predictive model and offer insights to the company for better churn management.

ACADEMIC PROJECTS

- **Formula 1 Data Analysis and 2025 Season Prediction Platform**

  Developed a **Formula 1 analysis platform** using **Pandas** and **Scikit-learn** to predict 2025 champions and evaluate team performance. Applied machine learning (**Random Forest**) and statistical techniques (**ANOVA**, **Markov Chains**) for insights on pit stops and driver transitions. Built dashboards with **Streamlit** and **Power BI** for trend visualization.

- **Chat Sphere**

  Developed an interactive **Chat Application** using **ReactJS** and **ChatEngine.io** for real-time communication. Implemented secure user authentication, allowing users to log in, chat individually, or create group chat rooms. Enhanced user experience through a responsive, intuitive interface.

- **Stellar Sorter**

  The project focuses on classifying celestial objects and predicting galaxy redshifts using SDSS spectral data and **astroML library**. The analysis includes handling outliers, class imbalance with **SMOTE**, and feature extraction through **PCA**. Machine learning models like **GMMBayes, SVM, Random Forest, Linear Regression** were applied.

- **EcoBuzz Analytics**

  This project analyzes real-world Twitter data to assess public sentiment on environmental sustainability using **BERT**-based **sentiment analysis** from **Hugging Face Transformers**. Tweets are pre-processed with **NLTK**. The study uncovers trends and challenges related to human-environment interactions, highlighting opportunities for sustainability.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Proactive **class representative** with two years of leadership experience, dedicated to fostering positive change and advocating for peers.
- A skilled and passionate **painter** with a strong creative vision and dedication to artistic excellence.
- An active member of **Radio Hub.**
- Participated in a workshop on **Web Development** conducted by IIT Palakkad.

DECLARATION

I, Sujan S, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore
Date : 17/03/2025 (Sujan S)