KAVIYA N S

22PD16

Gender	Female
Date of Birth	21st May 2004
Languages known	English, Tamil
Email	**22pd16@psgtech.ac.in**
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Github	**github.com/kaviya-ns**
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Address

No. 43, Phase-2, Shri Krishna Nagar, Adavathur East,
Allithurai, Santhapuram ,Trichy- 620102.

OBJECTIVE

To obtain a position as an intern for a period of six months 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	Python, C++, Java
Libraries and Frameworks	Pandas, Scikit-learn, Flask ,TensorFlow
Tools	PowerBI

AREAS OF INTEREST

- Supervised learning
- Object-Oriented Programming
- Data Analytics and Visualization

ACADEMIC RECORD

- **M.Sc Data Science** — *2022-2027*
  PSG College of Technology, Coimbatore — **6.54 CGPA**
- **XII (Higher secondary, CBSE)** — *2022*
  Kamala Niketan Montessori School, Trichy — **84.80 %**
- **X (CBSE)** — *2020*
  Kamala Niketan Montessori School, Trichy — **91.80 %**

NON-ACADEMIC PROJECTS

- **HotelierPro**
  A Python-based hotel management system with a **tkinter** GUI for easy user interaction, allowing staff to manage reservations, check-ins, and room assignments. The application integrates with an **SQL** database to store and retrieve guest information, room details, and booking records efficiently.
- **Meme Generator**
  Developed a **Java** application built using the **Swing** frame work, enables users to create and customize memes effortlessly. The application leverages **Graphics2D** for high-quality text rendering and provides an intuitive, slider-based customization interface.
- **SimpleChain**
  Designed and implemented a **blockchain** prototype to demonstrate core functionalities, including block creation, cryptographic hashing (**MD5**), and integrity verification. Managed transaction records with a genesis block to maintain data consistency. Developed a user-friendly interface using **Flask** and **HTML** for input collection and interaction

ACADEMIC PROJECTS

- **AskPDF**
  Developed an interactive document question-answering web application using **Streamlit** and **Pinecone**, enabling users to upload PDFs, query document content, retrieve precise answers using semantic search. It also generates context-aware summaries with **HuggingFace** models, enhancing content comprehension.
- **Price Forecaster**
  Developed a time series forecasting project, including web scraping, data cleaning, and exploratory analysis to uncover trends and patterns. Built and optimized machine learning models such as **Random Forest** and **Decision Trees**, as well as statistical models like **ARIMA**, to solve real-world forecasting challenges .Evaluated model performance using metrics such as **Mean Absolute (MAE) and Mean squared Error (MSE)** ensuring accuracy and reliability in predictions.
- **Smart KeyBoard**
  A **C++ program** which implements a simple spell-checking functionality utilizing a **Trie** data structure. It prompts users to input a word, suggests corrections if misspelled, and allows users to add new words to the dictionary.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Completed courses **Machine Learning**, **Natural Language Processing** from **Deeplearning.ai**.
- Designed logos and promotional posters for '**Login**', an international technical symposium and '**Thiran**', an intra-collegiate event.

DECLARATION

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

Place: Coimbatore
Date : 17/01/2025 (Kaviya N S)