

CHAITHANYA N

22PD09

Gender Female
Date of Birth 14 December 2004
Languages known English, Malayalam, Tamil
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Address

Sunandam, Ambady House, SMV Road, Irinjalakuda
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OBJECTIVE

To obtain a position as a student 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	C, C++, Python
Tools/Framework	PowerBI, VSCode, Python Flask
Platform	Windows

AREAS OF INTEREST

- Data Visualization
- Supervised learning
- Data Structures
- Full Stack Development

ACADEMIC RECORD

- **M.Sc Data Science** 2022-2027
PSG College of Technology, Coimbatore **6.20 CGPA**
- **XII (Higher secondary, State Board)** 2022
National HSS, Irinjalakuda **89 %**
- **X (SSLC, State board)** 2020
National HSS, Irinjalakuda **97 %**

NON ACADEMIC PROJECTS

- **FraudShield: Adversarial Defense**, utilizes **adversarial learning** and **SMOTE** in a fraud detection task. By iteratively refining the model through adversarial examples and using data augmentation techniques, the **Random Forest classifier** becomes better equipped to handle class imbalances and improve fraud detection accuracy.

ACADEMIC PROJECTS

- **XAI-EEG Decoder**, Developed an **Explainable AI (XAI)** model using EEG data to classify ADHD and control patients, achieving 88% accuracy with a **Random Forest model**. Incorporated Approximate Entropy to analyze behavioral complexity and utilized **SHAP** and **LIME** for interpretability, offering insights into ADHD diagnosis. Enhanced decision-making processes for personalized treatment strategies.
- **MarketTrend Analytics**, **Flask**-based web application, built with **Python**, **HTML**, **CSS**, and **JavaScript**, analyzes and visualizes historical stock data using the Yahoo Finance API. Key features include financial metrics like volume, market cap, moving averages, scatter matrix, and volatility analysis.
- **BookHaven Keeper**, Implemented in **C++** that uses inheritance, object-oriented design, files concepts. This is a user-friendly management where users can update sales, stock from suppliers, sales tracking, customer registration and login.
- **Snake Game**, Implemented a classic Snake game in **C++** using **Linked List**. Allows players to control the movement of a snake within a bordered grid. Includes a randomly generated food item that increases the snake's length upon consumption.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- A Mohiniyattam artist and disciple of Guru Smt. Nirmala Panicker, with extensive stage experience.
- Active NSS volunteer dedicated to social service, with key contributions during the COVID-19 pandemic.

DECLARATION

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

Place: Coimbatore

Date :24/03/2025

(Chaithanya N)