TANAZ I
22PD37

Gender   Female
Date of Birth   13th December 2004
Languages known   English, Tamil
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34D/7A, Dasamplayam Road,
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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 , MySQL, Oracle
Tools	Power BI
Libraries and Framework	Scikit-learn, Django

AREAS OF INTEREST

- Supervised Learning
- Object Oriented Programming
- Data analytics

ACADEMIC RECORD

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

- **XII (Higher secondary, CBSE)**
  Shree Sarasswathi Vidhyaah Mandheer Institutions, Mettupalayam
  2019
  96.20 %

- **X (SSLC, CBSE)**
  Shree Sarasswathi Vidhyaah Mandheer Institutions, Mettupalayam
  2017
  96.00 %

NON- ACADEMIC PROJECTS

- **Retail Price Prediction**

  Developed a price prediction model for **Adidas** retailers, incorporating features such as price elasticity, competitor pricing, and lagged price. Used **Random Forest Regression** to predict prices and **Shapely Addictive Explanations (SHAP)** for interpretability. **Streamlit** was used to visualize the predictions and insights, aiding decision-making.

ACADEMIC PROJECTS

- **Object-Text Detection and Recognition**

  Built an integrated system for object and text detection and recognition. Trained the object detection model using **YOLOv8** on a subset of the **MSCOCO** dataset, utilizing **NVIDIA CUDA** for efficient computation. Combined this with **Keras OCR** for text recognition and developed a **Streamlit** app for interactive visualization of detected objects, recognized text, and their corresponding bounding boxes.

- **AdConnect- Resale Platform**

  Developed a **Django**-based advertisement resale platform with **MySQL**, enabling user registration and dual roles as clients and sellers. The platform supports **ad posting** and browsing across six categories with subcategories, and features an **admin dashboard** for managing product counts, tracking top-selling products, and overseeing the system.

- **Map Navigator using Dijkstra's Algorithm**

  Implemented a Python project using **Dijkstra's Algorithm** with a **Fibonacci heap** to determine the shortest path between designated cities, featuring an **interactive map** powered by **Folium** for visualizing the routes.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Serving as an **Admin Team Member** for the **Radio Hub**, contributing to administrative functions and demonstrating strong organizational skills.
- Completed the **A-Z Machine Learning** course on **Udemy**.

DECLARATION

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

Place: Coimbatore
Date : 20/11/2024   (Tanaz I)