

DHARANI S

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Address

364/M2, Nethaji Nagar, Vengikkal,
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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	C++, Python
Libraries and Frameworks	TensorFlow, Streamlit, OCR
Tools	Power BI, JavaFX scene builder

AREAS OF INTEREST

- Computer Networks
- Data Analytics
- Supervised Learning
- Operating System

ACADEMIC RECORD

- **M.Sc. Data Science** 2022-Present
PSG College of Technology, Coimbatore **7.61 CGPA**
- **XII (Higher secondary, State Board)** 2022
SRGDS Matric. Hr. Sec School, Tiruvannamalai **95.16%**
- **X (SSLC, State board)** 2020
Sishya Matric. Hr. Sec School, Tiruvannamalai **95.6 %**

NON-ACADEMIC PROJECTS

- **Google Docs-simulation**

This collaborative writing and editing project, enabling real-time document creation, editing, and sharing. Built with React.js, Material-UI, and **Socket.io** for frontend and real-time communication, and MongoDB for data persistence, it ensures seamless, low-latency synchronization across multiple users in a distributed system.

- **Social Media Data Analysis**

This project analyzes social media data to explore public sentiment on environmental sustainability. Tweets are processed using **BERT**-based sentiment analysis to uncover opinions and trends. Various analysis measures were performed to reveal human-environment interactions, opportunities, and challenges in sustainability discourse.

ACADEMIC PROJECTS

- **Image Analysis with YOLOv8 and OCR**

Developed an object detection and text recognition system using **YOLOv8**, **Keras OCR** on subset of COCO dataset. Integrated the models into a Streamlit web application for real-time image input and processing.

- **Spam Detection**

Developed a privacy-preserving email spam detection system using **Federated Learning** to train models across decentralized data sources without sharing raw data. Implemented Natural Language Processing techniques for feature extraction and classification. Enhanced data privacy and scalability in detecting spam across diverse user environments.

- **Music Player**

Developed this project based on data structures concept **doubly linked list** which is used to play the music files in wav format further it includes the features which allows the users to create a playlist, add, delete, search and list the music available in the playlist.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Sports: Badminton, Handball-Demonstrating teamwork, agility and sportsmanship through competitive play.
- Pencil Sketching-Showcasing creativity and attention to detail through expressive artwork.
- Publicity team member, Radio hub PSGCT-Contributed to publicity vertical by delivering public speeches & designing Canva posters.

DECLARATION

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