

AKILA R

22PD04

Gender Female
Date of Birth 08th August 2004
Languages known English, Tamil
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Address

18/49, Tagore Nagar,
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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, C
Libraries and framework	Flask, Streamlit
Tool	Gephi

AREAS OF INTEREST

- Supervised learning
- Data Structures
- Data Analytics and Visualization

ACADEMIC RECORD

- | | |
|--|-----------------|
| ● M.Sc Data Science | 2022-Present |
| PSG College of Technology, Coimbatore | 8.3 CGPA |
| ● XII (Higher secondary, State board) | 2022 |
| Bharathi Matric. Hr. Sec School, Coimbatore | 96.5 % |
| ● X (SSLC, State board) | 2020 |
| Bharathi Matric. Hr. Sec School, Coimbatore | 90.2 % |

NON-ACADEMIC PROJECTS

- [Cash Flow Minimiser](#)

This project is an advanced data structure project that addresses the optimization of cash flow within a group of individuals or entities. It aims to develop a robust software application to efficiently minimise the net cash flow among participants in a financial network using **graph data structure**.

ACADEMIC PROJECTS

- [Tamil-E](#)

Developed a system for transliterating Tamil Brahmi script to modern Tamil using **Convolutional Neural Networks (CNNs)**. Segmented the input image into individual characters which were then processed by the CNN model to predict the modern Tamil text.

- [Email 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 spams across diverse user environments.

- [GrocerEase](#)

Developed an online grocery shopping platform enabling users to browse and purchase groceries conveniently from home. Built with **Flask** and **PostgreSQL** for backend functionality and a clean interface designed using **HTML** and **CSS**. Key features include user authentication, product browsing, cart management, and an admin system.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Secured Runner up position in National Fistball championship held at Punjab.
- Served as Captain of the school Volleyball Team for 3 years, leading the team in zonal and district-level competitions.
- Won the Handball Championship trophy at the Department-Level League.

DECLARATION

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

Place: Coimbatore

Date : 20/11/2024

(Akila R)