

AKSHAYA S

22PD05

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S2, Kallas RC Associates, 1st Extension Street, VGP SelvaNaga  
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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, SQL
Libraries and Frameworks	Pandas, Matplotlib, Spacy, Streamlit, Scikit-learn
Tools	Power BI, Excel

AREAS OF INTEREST

- Data Analytics and Visualization
- Database Management
- Supervised And Unsupervised Learning
- Data Structures and Algorithms

ACADEMIC RECORD

- **M.Sc Data Science** 2022-2027  
PSG College of Technology, Coimbatore **7.6 CGPA**
- **XII (Higher secondary, State Board)** 2022  
Dr.G.S.Kalyanasundaram Matric School, Pazhaya Gudalur. **94.0 %**
- **X (SSLC, State Board)** 2020  
Dr.G.S.Kalyanasundaram Matric School, Pazhaya Gudalur. **98.0%**

INDUSTRY BASED PROJECT EXPERIENCE

**Concord Technologies** | Data Science Intern (May 2024-June2024)

Developed RESTful services using **FastAPI** and **MongoDB**, designed and implemented CRUD operations to efficiently manage data storage and retrieval. Also created interactive data visualizations by designing and developing dynamic dashboards using **Power BI** and **Python**, transforming complex datasets into intuitive visual representations.

## NON-ACADEMIC PROJECTS

- [Legal Document Classification And Summarization](#)

Leveraged **Legal BERT**, for text tokenization and sequence classification. Fine-tuned the model with **PyTorch** for high accuracy and deployed it for automatic document categorization. Utilized **BART** for document summarization to extract key insights from lengthy legal texts.

- [Trie-based Autocomplete System](#)

This project implements a **Trie-based Search Engine** that offers efficient autocomplete and search functionality. It is equipped with features like user history management, file-based storage, and prefix-based suggestions. The program is designed to handle queries for data like movies, music, stored in text files.

## ACADEMIC PROJECTS

- [Credit Card Fraud Detection Using Homomorphic Encryption](#)

The project involved training **XGBoost** and **Random Forest** models to accurately detect fraudulent transactions. Model predictions were encrypted using Homomorphic Encryption techniques such as **Paillier encryption** and **Order Preserving Encryption** using open libraries. Deployed the solution on Streamlit.

- [Online Marketing Brand Analysis](#)

Developed an online marketing analysis framework using web scraping, network analysis, and sentiment analysis to evaluate brand popularity. Leveraged **Neo4j** to create a graph-based network from search engine results, with **BeautifulSoup** for content scraping. Applied PageRank and sentiment analysis to rank web pages, optimizing marketing strategies and identifying effective advertising channels.

- [Theatre Management System](#)

Designed a theater management system in **C++** to automate ticket booking, seat allocation, and movie scheduling. The system simplifies theater operations by managing key tasks seamlessly.

## EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Earned a certification for successfully completing the MongoDB course offered by GeeksforGeeks in 2024.
- Been a part of **NCC** and have actively participated in various camps, rallies and volunteered for several social activities within our community.
- Obtained A1 Level Certification in **German** Language from the Goethe Institute.

## DECLARATION

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

Place: Coimbatore

Date : 31/08/2024

(Akshaya S)