

AARTHI N J
22PD01

Gender Female
Date of Birth 26th February 2005
Languages known English, Tamil
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Address

90-c, Shanmugarajapuram, Selvapuram,
Coimbatore-26.

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 in PSG College of Technology, Coimbatore.

SKILL SET

Languages	Python, C++
Libraries and framework	Flask, Pandas, Seaborn
Tool	Power BI, Excel

AREAS OF INTEREST

- Data Analytics and Visualization
- Supervised Learning

ACADEMIC RECORD

- | | |
|--|-------------------------------|
| • M.Sc Data Science
PSG College of Technology, Coimbatore | 2022-2027
6.87 CGPA |
| • XII (Higher secondary, State board)
Sri Sowdeswari Vidyalaya, Coimbatore | 2022
94.17 % |
| • X (SSLC, State board)
Sri Sowdeswari Vidyalaya, Coimbatore | 2020
89.40 % |

NON-ACADEMIC PROJECTS

- **E-LIBRARY MANAGEMENT SYSTEM** is designed and implemented as a dynamic solution leveraging **HTML** and **CSS** for an intuitive frontend interface, **PHP** for backend logic and server-side functionalities, and **MySQL** for secure and efficient database operations. The system incorporates dedicated panels for administrators, students, and new user registrations, facilitating streamlined access, resource allocation, and user management.

ACADEMIC PROJECTS

- **LEGAL DOCUMENT CLASSIFICATION AND SUMMARIZATION** is developed as a robust pipeline using **Legal BERT** for document classification and **BART** models for text summarization. The system processes diverse legal documents such as contracts, land records, and judgments to accurately categorize them and generate concise, entity-rich summaries for enhanced understanding and quick retrieval of relevant information.
- **NATURAL DISASTER PREDICTION** is developed as a comprehensive machine learning framework that addresses data imbalance using **SMOTE**, ensures data privacy through Laplacian noise for differential privacy, and enhances interpretability with **LIME** and **SHAP**. The system leverages **Random Forest** and **XGBoost** classifiers to achieve robust predictive accuracy, while providing valuable insights into the critical factors contributing to disaster events.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Certified in **Introduction to Data Science** by Cisco.
- Certified in **Front-End Development** by GreatLearning.

DECLARATION

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

Place: Coimbatore

Date : 20/11/2024

(Aarthi N J)