

S ARUN PRAKASH

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Address

Flat-G, 2nd floor, Bharathi Castle,
33/3, Bharathidasan Colony, K.K Nagar, Chennai-600078.

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++, C, Python, SQL, Java
Platforms	Windows,Ubuntu
Tools and Technologies	Vim, MS Excel,Numpy,Pandas,Scikit-learn,PowerBI

AREAS OF INTEREST

- Data Analysis
- Data Structures
- Supervised Learning

ACADEMIC RECORD

- **M.Sc Data Science** 2022-2027
PSG College of Technology, Coimbatore **7.24 CGPA**
- **XII (Higher Secondary,CBSE)** 2022
ABSM, Puducherry **88.60 %**
- **X (CBSE)** 2020
ABSM, Puducherry **88.60 %**

NON-ACADEMIC PROJECTS

- [E-Pharmacy](#)

Developed a pharmacy management system with **MySQL** for backend and packed it with **streamlit (frontend)** as a web application. It simulates both user-side and dealer-side & all necessary functionalities are implemented.

- [Handwritten Digit Recognition](#)

Implemented a handwritten digit recognition System in **Python** using the **MNIST dataset**. The recognition system uses **Keras** library to implement machine learning techniques to learning and predicting handwritten alphabets.

ACADEMIC PROJECTS

- [Optimized Inventory Flow](#)

Developed an inventory management system using **C++** leveraging the **Branch and Bound algorithm** to optimize job scheduling under predefined constraints, ensuring efficiency and accuracy in task allocation.

- [Action-Rule Mining](#)

Implemented action rule mining on a **credit-approval dataset** in Python using the **DEAR2 algorithm**. Used **confidence, lift, and support** for evaluating the actionable rules to enhance decision-making and optimize approval processes.

- [Salp-Swarm algorithm \(ML\)](#)

A **research paper** implementation of the salp-swarm algorithm, used for optimal feature-selection. We tested it on **credit-card approval** dataset. Models used: **SVM, LogisticRegression, RandomForestClassifier** and comparison of accuracies of the different models.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Attained **50-days** LeetCode badge.
- Finalist for **CodeXplore** conducted by PSG Coding club.
- Contributor for both **Datathon & DataQuest** (Data-Science events).
- Represented the school as a scout in **CTC March-past parade** for 2 years.
- Avid **badminton player** and **calisthenics athlete**.
- Completed theory examinations for **E-Keyboards** conducted by Trinity school of music.

DECLARATION

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

Place: Coimbatore

Date : 18/01/2025

(S.Arun Prakash)