

AHALYANJUNA S

22PD02

Gender Female
Date of Birth 19 June 2004
Languages known English, Tamil
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Address

160/31 B, Vadivel Nagar,
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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 | Python, C++, Java |
| Frameworks | Streamlit, Django |

AREAS OF INTEREST

- Data Analytics
- Data Structures and Algorithms
- Supervised Learning
- Unsupervised Learning

ACADEMIC RECORD

- **M.Sc. Data Science** 2022-2027
PSG College of Technology, Coimbatore. **9.39 CGPA**
- **XII (Higher secondary, ISC)** 2022
Lakshmi School, Madurai. **98.20 %**
- **X (ICSE)** 2020
Lakshmi School, Madurai. **96.33 %**

INDUSTRY BASED PROJECT EXPERIENCE

- **Aurolab | Student Intern** May 2024-June 2024
Prepared flowcharts to represent HR process flows based on discussions with the HR team. Designed potential dashboards for HR teams using Power BI, focusing on their requirements. Learned about HR analytics metrics.

NON-ACADEMIC PROJECTS

- [Retweet Trails](#)
Analysed Twitter retweet networks for Justin Bieber and One Direction to study the dynamics of information spread. The project involved network visualization, centrality analysis to identify key influencers, and assessment of diffusion speed. Developed using **Python**, with a **Streamlit**-based frontend, and utilized **Gephi** for network visualization.
- [SugarRisk](#)
Developed a web interface with **Streamlit** for users to enter their health metrics and receive predictions on diabetes risk. Utilized logistic regression and decision trees to generate accurate risk assessments.

ACADEMIC PROJECTS

- [SmartPricing](#)
Developed a price prediction model for items sold by various Adidas retailers, incorporating features such as **price sensitivity**, **competitor pricing**, and **average lagged price**. Used **Random Forest** for accurate price predictions and used **SHAP** to explain the predictions. Designed a **Streamlit**-based frontend to display visualizations.
- [Tamil-E](#)
Developed a project for transliterating Tamil Brahmi script to modern Tamil using **Convolutional Neural Networks (CNNs)**. Input images of the script were split into individual character images, which were then processed by the CNN model to predict the modern Tamil text. A **Streamlit** interface was created to provide interactive experience.
- [Replace Right](#)
The project finds an optimal replacement policy for a machine in a company based upon age, revenue, operating cost and salvage value over a certain period making use of the mathematical concept of **dynamic programming**. The project was built using the **Django** framework, **Python** for backend logic and **HTML** for front end.

EXTRA-CURRICULAR ACTIVITIES

- A Passionate traditional and contemporary style **Bharatanatyam Dancer**.
- Serving as the **Joint Secretary – Content** at the **Rotaract Club**, where I help organize events and coordinate with people to write content for social media posts.
- Participated in **KLA Unhack**, a hackathon organized by KLA at PSG College of Technology.

DECLARATION

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

Place: Coimbatore

Date: 20/11/2024

(Ahalyanjuna S)