HARINI SHRI T
20PW37

Gender   Female
Date of Birth   24th November 2002
Languages known   English, Tamil ,Hindi
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Portfolio   **HARINI SHRI T**

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12/12, Jeevanandham street, Kollampalayam,
Erode, Tamil Nadu- 638002

OBJECTIVE

To obtain a position as a data scientist from Jan 2025.

ACADEMIC QUALIFICATION

Currently pursuing 5th year of 5 year Integrated M.Sc. Software Systems at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

SKILL SET

Languages	Python, C++, C, SQL
Platform	Windows
Tools and Frameworks	Git, GitHub, Figma
Databases	MYSQL, PL/SQL
Web technologies	HTML, CSS, JavaScript

AREAS OF INTEREST

- Data Science and analytics
- Data Structures and Algorithms
- Database Management System

ACADEMIC RECORD

- **M.Sc Software Systems**   *2020-2025*
  PSG College of Technology, Coimbatore   **8.46 CGPA**

- **XII (Higher secondary, CBSE Board)**   *2020*
  CS Academy, Erode   **92.60 %**

- **X (SSLC, CBSE Board)**   *2018*
  CS Academy, Erode   **93.40 %**

INDUSTRY EXPERIENCE   **(MAY 2023 - NOVEMBER 2023)**

ICU Medical LLP - Embedded Intern

Project 1 - Medfusion 4000 infusion pump - developed custom functions and scripts that integrate with hardware interfaces for automated testing of Infusion Pump UI using PyTest framework. Verified workflow, infusion initiation, and widget functionality. Reported issues for resolution, improving product quality.

NON-ACADEMIC PROJECTS

- **CatGuard** - Developed an AI solution utilizing **telematics data** to predict component failures in **Caterpillar equipment**. The project analyzes historical usage data, creates a machine learning model for failure prediction, and develops a user-friendly interface for proactive maintenance recommendations.

- **ImageTextTrans-** Application to recognize and translate text from images using the **Googletrans API**. The application can identify meaningful text from images containing text, numbers, equations and objects, and replaces it with the translated text from the chosen language, returning it in the desired format. Major concepts used - **Python, OCR**.

- **Recruitviz** - A data visualization project in Python that represents the insights of a hiring process using various visualization techniques such as plots, graphs and constructing an interactive **dashboard** using **panel/hvPlot**, **Matplotlib**, **Plotly**, Seaborn libraries.

ACADEMIC PROJECTS

- **CodeHunt -** A sophisticated search engine utilizing web scraping to gather question data from popular coding platforms, with **TF-IDF** and **Cosine Similarity** concepts to deliver tailored question results. Integrated seamlessly into a web application, enabling users to efficiently search and access relevant programming questions with ease.

- **CourseRecom** - Developed a recommendation system for online courses using IR techniques such as **Collaborative Filtering** and **Content-Based Filtering**. Implemented **Top-K Recommendations** with Cosine Similarity and evaluated the model using metrics like RMSE. Additionally, designed and deployed a user-friendly UI to enhance user engagement and facilitate seamless course discovery and enrollment.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **Runner up** in a **hackathon** conducted by **Caterpillar Inc,**Chennai.
- **State Level** championship in **Yoga**.
- Third place in entrepreneurship event conducted by **Entrepreneurs club**, **CS Academy**.
- Participated and selected for the **final round** in Town Trace, **Pragyan event** conducted by **NITT**.
- Joined the **International Women's Day campaign** 2021.
- Bronze medal in **Math Olympiad** conducted by CS Academy.

DECLARATION

I, Harini Shri T, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore
Date : 08/07/2024   (Harini Shri T)