NILAVINI B M
21PD22

Gender	Female
Date of Birth	30th October 2003
Languages known	English, Tamil
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Address
634 Lawley Road, Rajathiammal Layout,
Coimbatore – 641003.

OBJECTIVE

To obtain a position as a student intern from June 2024 to November 2024.

ACADEMIC QUALIFICATION

Currently pursuing the 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
Platform	Windows
Tools	VS code, Jupyter Notebook, Power BI

AREAS OF INTEREST

- Data Analytics and Visualization
- Data structures and algorithms
- Supervised and Unsupervised Learning
- Object oriented programming

ACADEMIC RECORD

- **M.Sc Data Science**
  PSG College of Technology,
  Coimbatore.
  2021-2026
  7.08 CGPA

- **XII (Higher secondary, State board)**
  Avila Convent Matriculation Higher Secondary School,
  Coimbatore.
  2021
  91.47 %

- **X (SSLC, State board)**
  Avila Convent Matriculation Higher Secondary School,
  Coimbatore.
  2019
  88.40%

NON-ACADEMIC PROJECTS

- **Brainwave Insight: Unveiling Brain Activity through EEG**

  Created a **Streamlit**-powered EEG analysis platform in **Python**. Explored patterns associated with ADHD, employing machine learning techniques to uncover intrinsic patterns from the data. Designed an intuitive interface that incorporates accuracy metrics for user convenience.

- **Page Probe: Web Crawling and Scraping with Python**

  This project involves the exploration of web crawling and scraping methods using **Python**. It employs **queue data structures** to implement a systematic breadth-first crawling strategy for efficient navigation of web pages. Additionally, it involves the utilization of libraries like **Beautiful Soup** for parsing HTML content.

ACADEMIC PROJECTS

- **Tailored Article Suggestions: Data-Driven Recommendation System**

  Developed an intelligent content recommendation system in **Python** utilizing **Streamlit**. Integrated **TF-IDF** techniques and **decision tree** machine learning models to offer diverse article suggestions. Demonstrated adeptness in employing decision support strategies to elevate the user experience.

- **Comprehensive Road Safety Assessment: Predictive Insights**

  Developed and implemented a Road Accident Analysis framework in **Python** using **Streamlit**, **PowerBI** for visualizing data, and **MySQL** for effective data management. Explored predictive modeling to forecast future case numbers, with a focus on providing practical recommendations and minimizing societal impact through targeted awareness campaigns.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Engaged in school's **Guides and Scouts** program, competing in various events and volunteering for health camps and social service initiatives.
- Completed JPMorgan Chase & Co.'s **Excel Skills** on Forage.
- Committed Technical Assistant at **RadioHub** - **PSG's Community Radio 107.8**, driving excellence in radio broadcasting and digital platforms.
- Participated in various events conducted by **Coding Club** at PSG college of Technology.

DECLARATION

I, Nilavini B. M., do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore
Date: 30/01/2024   (Nilavini B. M.)