Varsha S
21PD39

Gender	Female
Date of Birth	11th November 2003
Languages known	English, Tamil
Email	21pd39@psgtech.ac.in
Mobile	+91-9487254663
Linked – in	**Varsha Senthil**
GitHub Link	**Varsha Senthil**

Address

140, Buddhar Street, Krishnapuram,
Saravanampatti(Po),
Coimbatore-641035 .

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	Python, C++, SQL, R
Platform	Windows
Tools	VS Code, PowerBI, Tableau, Jupyter Notebook

AREAS OF INTEREST

- Data Analytics and Visualization
- Database Management System
- Supervised and Unsupervised Learning

ACADEMIC RECORD

- **M.Sc Data Science** _2021-2026_
  PSG College of Technology, Coimbatore. **7.65 CGPA**

- **XII (Higher secondary, State board)** _2021_
  Vimal Jyothi Convent Matric. Hr. Sec School, Coimbatore. **93.60 %**

- **X (SSLC, State board)** _2019_
  Vimal Jyothi Convent Matric. Hr. Sec School, Coimbatore. **94.00 %**

NON-ACADEMIC PROJECTS

- **NeuroInsight: Advanced EEG Analytics Platform:**

    Developed a **Python**-based EEG analytics platform using **Streamlit**. Normalized data for consistency, explored ADHD-related patterns, and integrated machine learning model **SVM** for classification. Implemented **spectral clustering** for structural insights.

- **AutoSense: Simplifying Car Choices:**

    Crafted an interactive Car Decision Analytics Dashboard using **Python** and **Streamlit**, facilitating informed car choices through data preprocessing, exploratory analysis, and **decision tree** models. Evaluated model performance using metrics such as **accuracy, precision, recall, and F1 score,** enhancing decision-making insights for users.

ACADEMIC PROJECTS

- **E-Commerce Nexus: Order, Track, Analyze:**

    Built an E-Commerce Website using **Python**, featuring **Deta** for DBMS connectivity, **Streamlit** UI, **Twilio** for communication, and **PowerBI** for interactive visualizations. Ensuring a seamless experience, it streamlines e-commerce processes for both users and administrators.

- **Smart Content Navigator: Article Recommender:**

    Created a **Python-based** smart content recommender using **Streamlit**, incorporating **TF-IDF** and **decision tree** machine learning models for a broad range of article recommendations. Showcased proficiency in **decision support** methodologies to enhance the overall user experience.

- **WebSpy: Intelligent Web Crawling and Scraping Tool:**

    This project demonstrates proficiency in web crawling and scraping techniques using **Python**. It employs **data structures** like **queues** to implement a breadth-first crawling approach, ensuring efficient exploration of web pages. It also showcases the use of libraries like **Beautiful Soup** for parsing HTML content.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Committed Technical Assistant at **RadioHub** - **PSG's Community Radio 107.8**, driving excellence in radio broadcasting and digital platforms.
- Elected as **Assistant School Pupil Leader** in HSC 1st year, and subsequently appointed as **School Pupil Leader** in HSC 2nd year.
- Selected as **Class Representative** for the year 2023-2024.
- Completed **Data Analytics and Visualization** course on Forage.
- Completed JPMorgan Chase & Co.'s **Excel Skills** on Forage
- Participated in various events conducted by **Coding Club** at PSG college of Technology.

DECLARATION

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

Place: Coimbatore
Date : 10/03/2024   (Varsha S)