NIVITHASRI A

22PD25

Gender	Female
Date of Birth	26th March 2005
Languages known	English, Tamil
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Address

14/48, Bharathi Nagar main street, Ganapathy,
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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
Libraries and Frameworks	Pandas, Numpy, scikit-learn, Matplotlib, Django
Tools	Power BI

AREAS OF INTEREST

- Data Analysis
- Web Development
- Data Structures and Algorithms
- Supervised and Unsupervised Learning

ACADEMIC RECORD

- **M.Sc. Data Science**
  PSG College of Technology, Coimbatore
  2022-2027
  9.05 CGPA

- **XII (Higher secondary, State Board)**
  National Model Matric. Hr. Sec School, Coimbatore
  2022
  96.60 %

- **X (SSLC, State board)**
  National Model Matric. Hr. Sec School, Coimbatore
  2020
  97.00 %

INDUSTRY BASED PROJECT EXPERIENCE

- **[24]7.ai** | Data Science intern   (*May 2024 - July 2024*)
  Gained hands-on experience in analyzing large-scale data. Learned advanced techniques in feature engineering, including k-grams and graph motifs. Enhanced understanding of logistic regression and evaluation metrics for model performance. Collaborated with industry professionals, gaining insights into practical data science workflows and real-world problem-solving.

NON-ACADEMIC PROJECTS

- **PREDICTING USER PURCHASE INTENT**

  Developed a system to predict user purchase intent by analyzing clickstream data of a fashion e-commerce site. Engineered features using k-grams and graph motifs and built models with **logistic regression**. Enhanced accuracy with **Markov Chain** and **LSTM** models, complemented by visualizations and analysis of models.

ACADEMIC PROJECTS

- **SMART FRUIT RECOGNITION**

  Smart fruit recognition and display system using an **ESP32-CAM** module integrated with **Arduino**. The system employs a **CNN** model for real-time fruit detection and recognition. Recognized fruit names are displayed on a user-friendly Streamlit interface.

- **EQUIPMENT REPLACEMENT MODEL**

  The model finds an **optimal replacement policy** for a machine based on its age, revenue, operating cost and salvage value over a period by using **dynamic programming**.

- **AUCTION MANAGEMENT SYSTEM**

  Online auction system with **Binomial Heap-Based Bidding** developed in Python using **Django Framework**. The project includes user registration and profile management, auction creation and bidding using binomial heap, automatic auction closure and admin panel for system administrators.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **Radio Jockey** at Radio Hub, PSG college of Technology.
- **Organizer: Data Premier League -** Intra college predictive analytics and data visualization competition.
- **Participation** in **Unhack Hackathon** conducted by KLA.
- **Participation** in a **workshop on Web Development** conducted by Petrichor, the techno-cultural fest of IIT Palakkad.

DECLARATION

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

Place: Coimbatore

Date : 20/11/2024   (Nivithasri A)