MITHUNSENTHIL V

22PD22

Gender	Male
Date of Birth	12th September 2004
Languages known	English, Tamil
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2, Venkateswara nagar main road,
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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++, Python, C, SQL, R
Libraries	Scikit-learn, NetworkX, Streamlit, Pytorch
Tools and Frameworks	Power BI, Django, Excel, Gephi, Git

AREAS OF INTEREST

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

ACADEMIC RECORD

- **M.Sc. Data Science** — *2022-2027*
  PSG College of Technology, Coimbatore — **8.03 CGPA**
- **XII (Higher secondary, State Board)** — *2022*
  Kids Club Matriculation Higher Secondary School, Tiruppur — **93.66 %**
- **X (SSLC, State Board)** — *2020*
  St. Joseph's Matriculation Higher Secondary School, Tiruppur — **79.6 %**

INDUSTRY BASED PROJECT EXPERIENCE

- **Learner Circle – Data Science Intern** *(May 2024 - June 2024)*

  Developed a KYC tool for children using machine learning to assess intelligences based on **Howard Gardner's Theory**, leveraging Python libraries like **Pandas, Scikit-learn, and Seaborn** for preprocessing and evaluation.

NON-ACADEMIC PROJECTS

- **Blogger**

  Developed a full-stack web application using **Django and MySQL**, featuring secure user authentication, allowing users to create blog posts and comments for user interaction. Designed a responsive frontend with **HTML** and **CSS** to ensure an engaging user experience.

- **Action Rule Mining**

  Implemented action rule mining on a **credit approval dataset** in Python using the **DEAR2 algorithm.** Used confidence, lift, and support for evaluating the actionable rules to enhance decision-making and optimize approval processes.

ACADEMIC PROJECTS

- **Subscribe Smart**

  A dual-method approach to predict subscription churn using **Scikit-Learn** library and **TensorFlow**. The project integrates traditional supervised learning models and Complex neural networks, visualized via a **Streamlit** application, with enhanced accuracy from hyperparameter tuning methods.

- **Cinelytics**

  Built a movie success prediction system in Python. Used various APIs for data collection and **Beautiful Soup** for web scraping. Used **Node2Vec Embeddings** in network graph analysis and integrated machine learning models to enhance predictive accuracy.

- **Optimized Inventory Flow**

  Developed an inventory management system leveraging the **Branch and Bound algorithm** to optimize job scheduling under predefined constraints, ensuring efficiency and accuracy in task allocation.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Completed the Google **Advanced Data Analytics Certification** at **Coursera**.
- Proficient in **FL Studio** with expertise in using its virtual instruments for music production.
- Proficient in **Blender** with experience in creating animations and simulations.

DECLARATION

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

Place: Coimbatore
Date: 19/01/2024 (Mithunsenthil V)