MITHUNSENTHIL V
22PD22

Gender	Male
Date of Birth	12th September 2004
Languages known	English, Tamil
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Address

2, Venkateswara nagar main road,
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OBJECTIVE

To obtain a position as an intern 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	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
- Data Visualization

ACADEMIC RECORD

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

- **XII (Higher secondary, State Board)**
  Kids Club Matriculation Higher Secondary School, Tiruppur.
  2022
  93.66 %

- **X (SSLC, State Board)**
  St. Joseph's Matriculation Higher Secondary School, Tiruppur.
  2020
  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

- **Handwritten Digit Recognition**

  This project implements a handwritten digit recognition system using **Convolutional Neural Networks** and the **MNIST** dataset. The model is trained to accurately classify handwritten digits by learning spatial hierarchies in the data, achieving efficient and reliable predictions.

- **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. 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: 26/02/2025   (Mithunsenthil V)