Gomathi V

AI & Data Science Enthusiast

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Career Objective

Aspiring AI & Data Science student seeking an internship opportunity to apply my skills in machine learning, data analysis, and software development. Passionate about solving real-world problems through innovative technologie and continuous learning.

St. Joseph's Institute of Technology, Chennai	**2022 - 2026 (Present)**
B.Tech in Artificial Intelligence and Data Science (CGPA: 8.45)	
Government Higher Secondary School, Kallakurichi	
Grade 12: 78%	**2021 - 2022 (HSE)**
Grade 10: 87%	**2019 - 2020 (SSLC)**

Project

- **Credit Card Fraud Detection (Domain: Machine Learning, Fraud Analytics)**
- Developed a machine learning model to identify fraudulent transactions using logistic regression. The project involved data preprocessing, exploratory data analysis, and model training using Python. Performance metrics such as accuracy, precision, recall, and F1-score were calculated to evaluate model effectiveness. This initiative enhanced my understanding of fraud analytics and binary classification techniques.
- **Smart Mirror (Third Prize - IDEATION) (Domain: Internet of Things (IoT))**
- Build using IOT Zeal Ideation - Conceived an IoT project focused on data monitoring and displays real time data. Currently in the ideation phase, this initiative reflects my innovative thinking and interest in applying IoT technology remember some daily events.
- **Power BI Sales Profit Dashboard (Domain: Business Intelligence, Data Analytics)**
- Designed an interactive dashboard to analyze sales and profit trends across various cities, product categories, and sub-categories. Key insights include New York City as the highest profit-generating city, Technology and Furniture as the top-performing categories, and detailed product-level performance metrics.
- **Tableau Customer Data Dashboard (Domain: Data Analytics, Visualization)**
- Built a Tableau dashboard to analyze customer scores by city and country. Integrated customer data, including demographics and scores, to identify geographic trends and patterns. The visualizations utilize bar charts for comparative analysis across cities and countries, aiding in customer segmentation and strategic decision-making.

Internship

- **National Institute of Ocean Technology**   **2024 - 15 days**
- Prepared and preprocessed underwater microscopic image datasets for object detection tasks. Utilized the Haar Cascade algorithm and Cascade Trainer GUI to label and train models for zooplankton detection, contributing to marine resource analysis and research automation.

Achievements

- Solved 850+ Coding questions on SkillRack platform.
- Committed to solving 100+ problems on LeetCode as part of my preparation for software development internships.
- Creative Writing(Tamil) - 1st prize at St. Joseph's Institute Of Technology

Skills

- **Languages**: Basics of Java, SQL, Python Programming
- **Tools**: Power BI, Tableau, MySQL
- **Soft Skills**: Problem-solving

Certifications

- **Certifications NPTEL (SWAYAM):** Python for Data Science(78%), Machine Learning(58%)
- **Coursera**: Supervised Machine Learning
- **GUVI**: HTML,CSS
- **IIT**: Java Programming
- **LinkedIn**: SQL Development