BHARAVI S

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CAREER OBJECTIVE:

An enthusiastic professional passionate about driving innovation in **Artificial Intelligence, Data Science, and Machine Learning** to solve real-world challenges effectively. Keen to leverage strong programming, analytical, and visualization skills to deliver impactful data-driven solutions.

EDUCATIONAL DETAILS:

BACHELOR'S DEGREE
B. Tech Artificial Intelligence and Data Science
Rajalakshmi Institute of Technology, Autonomous, Chennai - 2021 - 2025
HSC - KSR Hi-Tech School, CBSE, Virudhachalam - 2020 - 2021
SSLC - KSR Hi-Tech School, CBSE, Virudhachalam - 2018 - 2019

EXPERIENCE:

POWER BI & PYTHON DEVELOPER INTERN
ICSR IITM, Chennai – May 2025 – Present.
Developed and embedded interactive dashboards using Power BI Desktop and Service. Developed backend APIs and managed data with Python (Flask) and Microsoft SQL Server. implementing role-based access control for secure data visualization. Designed a responsive frontend using HTML and CSS.
Created a Python-based chatbot to handle FAQ support and guidance, reducing manual queries by 40%

DATA ANALYST INTERN
AFAME TECHNOLOGIES – June 2024 – July 2024
Conducted exploratory data analysis on HR and sales datasets, identifying 5 key trends that led to a 10% increase in sales efficiency.
Built interactive data visualizations and dashboards, resulting in a 25% reduction in decision-making time for key stakeholders.
Implemented Python-based data pipelines, automating 70% of manual data processing tasks.

PROJECTS:

MACHINE LEARNING PROJECT
SUSTAINABLE TRAFFIC OPTIMIZATION IN URBAN AREAS CAPSTONE PROJECT - JAN - APR 2025
Presented at ICMLAS-2025, Bangkok.
Built a CO_2 emissions prediction model using Multivariate Linear Regression, applied statistical methods (Fisher-Pearson Skewness, Jarque-Bera) for validation, Integrated real-time traffic data and optimized routing for emissions reduction.
Tools used: Python, Pandas, Scikit-learn.

DATA ANALYSIS:
PYTHON – Jan 2023
COVID-19 Data Analysis – Analysed global COVID-19 trends: case growth, recovery, and regional disparities.
Sales Data Analysis – Identified revenue trends and key drivers, offered optimization strategies.
HR Data Analytics – Analysed employee data to uncover patterns related to turnover, performance and workforce trends.
Tools: Python, Pandas, Matplotlib, Seaborn
SQL – Mar 2024
Movie Data Analysis Project – Utilized JOINs and aggregate queries to uncover genre trends, ratings, and viewer behaviors.
POWER BI – Feb 2024
Spotify Data Analysis Project – Analysed Spotify data with Power BI, visualizing trends, artist performance, and listener preferences via dashboards.

SKILLS:

PROGRAMMING: Python, SQL, HTML, Flask
DATA ANALYSIS & VISUALIZATION: Excel, Tableau, Power BI (DAX, dashboards)
AI & ML: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, TensorFlow (basic), Keras (basic), Data Preprocessing,
TOOLS & IDE: VS Code, Microsoft SQL Server, Jupyter Notebook, Git & GitHub
CREATIVE SKILLS: Content Writing, MS Word, PowerPoint
LANGUAGES KNOWN: English, Tamil, Japanese

CERTIFICATION:

Microsoft Power BI -Udemy
Introduction to Data Science - Cisco
ChatGPT for Everyone - Guvi
AI for India 2.0 - Guvi
Introduction to Python - Guvi

EXTRACURRICULAR ACTIVITIES:

Chairperson - Masoom Vertical, Young Indians YUVA (RIT Chapter)
Sports Secretary - KSR Hi-Tech School, CBSE.