AVANEESH J

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OBJECTIVE

Motivated Computer Science graduate with a strong foundation in Python, SQL, and Power BI. Passionate about using data to support informed decision-making. A curious and analytical thinker, eager to contribute to data-driven teams. Always ready to learn new tools and adapt to evolving analytical challenges.

EDUCATION

Bachelor of Engineering in Computer Science

Thanthai Periyar Government Institute of Technology — 2021 – 2025

- CGPA: 7.8

TECHNICAL SKILLS

Programming Language : Python, SQL.

Python: Familiar with libraries such as Pandas, NumPy, Matplotlib, and concepts of OOP and Data Structures.

SQL: Experienced in writing queries, joins, subqueries, CTEs, advanced subqueries, and window functions

Technical Tools: Microsoft Word, Excel, Power BI, IoT(Arduino IDE), UI/UX(Figma).

Version Control: Git, GitHub

EXPERIENCES - INTERNSHIP

CoDriveIt, Coimbatore (Data Science Intern) **M**ay 2025 – Oct 2025

- Gained hands-on experience in data cleaning, preprocessing, and visualization to derive actionable business insights.
- Worked on real-world datasets to build predictive and analytical models using Python, Pandas, and Scikit-learn.
- Collaborated on developing a data-driven project focused on trend analysis and performance optimization using machine learning techniques.
- Explored data visualization techniques using Power BI and Matplotlib to represent analytical results.

Vaayusastra Aerospace Pvt. Ltd., Chennai (Embedded Systems Intern) **J**uly 2024 – Aug 2024

- Collaborated with a 4-member team to design a real-time telemetry system for a Weather Monitoring CubeSat, enabling continuous transmission of temperature, humidity, and pressure data.
- Integrated 5+ onboard sensors using Arduino and ESP32 modules, improving data collection accuracy by 30 percentage.

PROJECTS

Electric Vehicle Charging Stations (Data Science) GitHub

- Performed exploratory data analysis on global EV charging station datasets to identify distribution patterns.
- Utilized Python libraries (Pandas, Matplotlib, Seaborn) for data handling, processing, visualization, machine learning.
- Predicted the average and percentage of EV charging stations with high power output using statistical model analysis.

Power BI Dashboard - Top Companies of USA by Revenue from Web Scraping GitHub

- Developed an interactive Power BI dashboard visualizing key financial and industry data of top U.S. companies.
- Scraped company data (revenue, employees, headquarters) from a public web source using Python and BeautifulSoup.
- Cleaned and formatted the data using Excel and exported it as a CSV file for seamless Power BI dashboard integration.

Shopping Trends Analysis - EDA GitHub

- Performed detailed Exploratory Data Analysis on shopping trends dataset using Python, Pandas, NumPy, Matplotlib.
- Visualized key insights with histograms and scatter plots, and generated a Word-analysis report using python-docx.
- It aims to understand customer behavior and automated the generation of a comprehensive analysis report(Graphs).

Augmentation for Image Classification Using GAN GitHub

- Trained GAN models to generate high-quality images by enhancing image classification through data augmentation.
- Built and tested GAN models using TensorFlow and Keras for image synthesis and also processed the dataset.
- The project is especially useful when datasets are small, as GANs generate realistic images for underrepresented classes.