

MANAV BANGOTRA

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SUMMARY

Enthusiastic undergraduate with expertise in Python and SQL, showcasing a strong passion for data, problem-solving, and analytics. Demonstrated skills through hands-on project experiences. Eager to apply these capabilities in real-world scenarios and contribute to dynamic teams in the field of data analytics and foster innovations.

WORK EXPERIENCE

Design and Innovation Center, Chandigarh

AI Intern

📅 July2022- August2022 📍 Chandigarh

- Worked 2 projects as AI intern intern.
- Vehicle Black Box system: Designed a PCB over the ARDUINO UNORev3 using sensor fusion, for efficient data collection and analysis of terrain for safer vehicle rides.
- Energy Consumption prediction: A LSTM based machine learning model for power consumption prediction.

PROJECTS

Youtube Sentiment Analysis

Python - Data Extraction - Machine Learning - Streamlit

- Leveraged the YouTube V3 Data API for comprehensive comment data retrieval from diverse videos.
- Developed a robust machine learning model using Natural Language Processing (NLP) techniques to classify comments into positive, negative, or neutral sentiments.
- Trained a GaussianNB predictive model using supervised learning, and successfully deployed the model via Streamlit, providing an interactive interface for real-time exploration of sentiment trends.

London Ride Sharing Analysis

Data Extraction - SQL - MS Excel - Tableau Dashboarding

- Conducted hands-on data gathering using the Kaggle API, acquiring a relevant dataset for analysis.
- Utilized the pandas library in Python for thorough data exploration, assessment, and manipulation.
- Employed Tableau for effective data visualization, creating insightful charts and dashboards to communicate key findings and patterns.

Energy consumption prediction

Python - Data Visualization - Machine Learning (RNN)

- Developed a region-specific machine learning model, achieving improvement in accurately predicting future energy consumption.
- Managed comprehensive dataset processing, addressing missing values and outliers to enhance data quality for the specific region.
- Documented the project comprehensively, ensuring knowledge transfer and facilitating future improvements.

EDUCATION

B.E in Computer Science

UIET, Panjab University, Chandigarh

📅 July 2020 – Present CGPA:8.39

Class XII

Police DAV Public School, Ambala

📅 June 2020 86.00%

SKILLS

Programming

C++ Python R SQL
Data Analytics Data Analysis

Tools and Frameworks

SAS MS Excel Google Analytics
Apache Spark Tableau AWS

Personal

Communication Problem Solving
Analytical Skill Team Work

ACHIEVEMENTS

- Solved 300+ programming problems on platforms like- Gfg, Hackerrank and Leetcode. 5 star in Python (Hackerrank).
- Participant at IIRS-Dheradun Course on "Applications of Machine learning in Urban Studies" in collaboration with ISRO.
- Participant at Intel AI for Youth programme held for University students.

COURSEWORK

- Data Structures and Algorithms
- Object- Oriented Programming
- Software Engineering
- Artificial Intelligence
- Operating Systems
- Database Management Systems

CO-CURRICULARS

- Campus Ambassador : O(1) Coding Club.
- NCC 'A' Certificate: Actively participated in NCC camps and parades.
- Scouts & Guides : Governor Appreciation Certificate for active participation.