

AMAN MAURYA

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PROFESSIONAL EXPERIENCE

Wipro Pvt Ltd.

Data Analyst

Greater Noida, U.P

April 2022 – Present

Wipro Incident Management System

- Led the development of Wipro's Incident Management System, employing Power Apps, SharePoint, and Power Automate.
- Integrated the application with SharePoint, enabling efficient data storage and retrieval, enhancing seamless data analytics capabilities.
- Automated approval workflows using Power Automate, optimizing processes and enabling data-driven decision-making.
- Designed an intuitive user interface, streamlining ticket management and facilitating comprehensive data analytics for performance assessment and process optimization.
- **Tech Used:** *Power BI, Power Apps, Power Automate and SharePoint*

Lloyds Record Keeping Portal

- Led the integration of Power BI and advanced data analytics, converting raw transaction data into strategic insights.
- Spearheaded the implementation of Power BI for dynamic and interactive visualizations, enabling data-driven decision-making.
- Centralized account management system for seamless data storage and retrieval, optimizing data analysis processes.
- Empowered efficient customer data retrieval and strategic account management using Power BI, enhancing operational efficiency and informed planning.
- **Tech Used:** *Data Analytics, Power BI*

PROJECTS

Real-Time Sentiment Analysis: NLP for Review Classification

- Developed NLP sentiment analysis model for reviews.
- Cleaned data, removed stop words, and applied Bag of Words representation.
- Trained Naive Bayes classifier for accurate sentiment classification.
- Achieved high accuracy on test data and real-time predictions.
- Analyzed model performance and collaborated for refinements.
- **Algorithm Used:** *NLP, Naive Bayes Algo*

Movie Recommendation App

- Led ML-based Movie Recommender: Used cosine similarity via Scikit-Learn, transformed features with one-hot encoding for accurate correlations.
- Curated rich movie dataset, optimized recommendation accuracy by managing diverse attributes.
- Designed Streamlit UI for intuitive user input, enabled personalized suggestions.
- Utilized cosine similarity matrix for swift, tailored movie recommendations.
- Emphasized user-friendly design for engaging, accessible suggestions.
- **Tech Used:** *Streamlit, Cosine Similarity Scikit Learn*

Flight Price Prediction: Unraveling the Skies of Uncertainty

- Conducted detailed data analysis (regex, missing values handling).
- Optimized regression models: KNN, Ridge, Lasso, Decision Trees, Random Forest, XGBoost.
- Analyzed predictions, identified enhancements, and generated detailed performance reports.
- **Algorithm Used:** : *KNN, Ridge, Lasso, Decision Trees, Random Forest, XGBoost*

Cricket Data Analytics Project:

- Executed end-to-end cricket analytics using Bright Data web scraping.
- Employed Python and Pandas for data transformation and cleaning.
- Designed interactive Power BI dashboards for insightful visualization.
- Generated strategic insights for a T20 World Cup (2022) 'Best 11 Players' team.
- **Tech Used:** *Python (Pandas, Web Scrapping), Power BI*

Banking Automation Project:

- Led digital transformation of bank operations through automation.
- Utilized SQLite database and Python's Tkinter for the application.
- Designed intuitive GUI, enhancing account management processes.
- Orchestrated full project cycle from design to deployment.
- **Tech Used:** *SQLite, Python (Tkinter)*

SKILLS

Data Science: Python | Data Visualization | Supervised ML Algos | Unsupervised ML Algos | ANN | CNN | EDA | Feature Selection & Extraction etc.

Mathematics for ML & DL: Algebra | Probability | Statistics | Calculus | Metrics

Python Packages and Frameworks: Scikit-learn | TensorFlow | Keras | NumPy | Pandas | Beautiful Soup

Programming Languages: Python | SQL | C#

Databases: MySQL | MongoDB

Others: Advanced Excel

EDUCATION

ABES Engineering College <i>B. Tech (Mechanical Engineering)</i> <ul style="list-style-type: none">• GPA: 8.5	Ghaziabad, U.P 2018-2022
Uttarakhand Public School <i>Senior School Certificate</i> <ul style="list-style-type: none">• Percentage: 90.2	Noida, U.P 2017-2018
Uttarakhand Public School <i>Secondary School Certificate</i> <ul style="list-style-type: none">• CGPA: 10	Noida, U.P 2015-2016

Certification & Achievements

Machine Learning Specialization (07/2023 - Present)

Coursera specialization course by DeepLearning.AI & Stanford University (Learning in Progress)

Ducat Data Science Training (04/2023 – 12/2023)

Completed

Ducat Data Analytics Training (04/2023 - 08/2023)

Completed

AI-900: Microsoft Azure AI Fundamentals (09/2022)

AZ-900 Microsoft Azure Fundamentals (07/2022)