Akhilesh Kumar Mishra

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Experience

DPDzero   **September 2023 – November 2023**
Data Analyst Intern   *Remote*

- Analyzed over 10 datasets using **SQL**, **Excel**, and **Python**, uncovering essential insights about loan applicants.
- Employed data cleaning techniques and advanced functions to identify trends, such as the most common loan amount range and the predominant age group(20 - 30 years old) among applicants,demonstrating strong analytical skills.
- Enhanced decision-making by leveraging data insights, resulting in a **15%** increase in strategic business decisions.
- Improved data visualization by 25% through the creation of interactive Power BI dashboards, facilitating clear communication of intricate trends and key performance indicators (KPIs) to stakeholders.

NeoDocto Inc.   **June 2023 – August 2023**
Machine Learning Intern   *Remote*

- Acquired practical experience in **Natural language processing (NLP)** during a machine learning internship at NeoDocto,gaining expertise in NLP techniques and methodologies
- Developed an interactive chatbot using **Dialogflow** and **ManyChat** platforms, streamlining patient interactions and reducing workload by 15%.

Projects

E-Commerce Sales Analysis | *SQL, Power BI*   **December 2023 - January 2024**

- Conducted E-commerce data exploration with **advanced SQL**, unveiling insights on profitable categories, peak sales months, customer demographics, and RFM-based segmentation, leading to a 30% increase in revenue targeting.
- Crafted a **Power BI dashboard** displaying sales trends, customer behavior, and SQL-derived inventory data, leading to 25% improved targeted marketing via RFM segmentation for enhanced business outcomes.

Deepfake Detection | *Python, Deep Learning , CNN*   **September 2022 - March 2023**

- Developed a specialized/customized 4+ layered **CNN model** for **deepfake detection** based on extensive literature review.
- Implemented a sequential model combining the strengths of the **Inception network** and **ResNet**, achieving training accuracy of over **95%** in binary image classification.
- Pioneered deepfake detection model on **OpenForensics**, authored research paper on findings and contributions.

Advertisement Prediction and Analysis | *Machine Learning, Data Analysis*   **February 2023 – March 2023**

- Created a multi-regression model for sales prediction, leading to a 25% improvement in the effectiveness of targeted ads.
- Implemented **SVM** and clustering techniques, boosting insights into customer behavior and ad performance by **30%**.
- Applied **Python visualization** to analyze sales figures, extracting insights that surged forecasting accuracy by **25%.**

Education

Nitte Meenakshi Institute of Technology   **July 2019 – July 2023**
Bachelor of Engineering, Information Science and Engineering   *CGPA- 8.52*

Certifications

Google Data Analytics Professional Certificate

- Performed data extraction on various datasets comprising 1000+ entries to ensure accuracy and reliability.
- Designed Tableau dashboards with multi-million-row datasets, expediting data-driven decisions by 50%.

Microsoft Power BI Data Analyst Professional Certificate

- Designed 10+ interactive dashboards with diverse visualizations, providing comprehensive data insights.
- Completed data processing, and ETL in Power BI for streamlined analysis across 10+ datasets .

Technical Skills

Advanced Excel : Count If, Sum If, VLOOKUP, Index, Match, Pivot Table, Pivot Chart
SQL : Data types, Queries, Aggregate Functions, Subqueries, Joins, CTEs, Window functions
Power BI : Data Reporting, DAX, Data modelling, Data transformation, Dashboard, Action filter
Programming Languages : C/C++, SQL, Python
Machine Learning/Deep Learning :Regression, Classification(Random forest, KNN, SVM), CNN, ANN

Achievements

- Solved 100+ database problems on LeetCode and HackerRank, showcasing strong problem-solving.
- Authored and shared 10+ Data Science interview case study solutions on Git, promoting knowledge-sharing.