PULKIT BATRA

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PROFESSIONAL SUMMARY

Data Scientist and AI Specialist, I have a proven track record of leveraging machine learning, deep learning, and data-driven methodologies to solve complex problems and drive business outcomes. I am adept at designing and implementing scalable models that enhance operational efficiency, and I have a strong command of Python, R, SQL, and AI frameworks. With experience in developing recommendation systems, predictive models, and advanced analytics solutions, I deliver actionable insights that promote data-driven decision-making.

SKILLS

- Programming: Python, SQL, R
- Machine Learning: Regression, Classification, Modelling
- Data Visualization: Matplotlib, Seaborn, PowerBI, Tableau
- Data Warehouse
- Big Data Technologies
- Tools: PyTorch, Pandas, Scikit-Learn
- Cloud Computing
- Soft Skills: Leadership, Communication, Problem Solving, Time Management

WORK HISTORY

Information Security Analyst   01/2025 - Present
Pathfinder Staffing Inc, Brampton, ON

- Optimized resource allocation and forecasting, improving operational efficiency by 25%, ensuring timely and efficient service delivery.
- Designed and implemented dynamic, real-time dashboards using Power BI and Tableau, streamlining decision-making processes for cross-functional teams, which reduced the time spent on reporting and data analysis by 30%.
- Collaborated with cross-functional teams to deliver actionable insights, contributing to a 20% improvement in strategic outcomes and profitability.

Data Analyst   12/2023 - 05/2024
Pathfinder Staffing Inc, Kitchner, ON

- Developed interactive dashboards in Tableau & Power BI, reducing reporting time by 30%.
- Conducted SQL-based data analysis to uncover customer behavior trends, leading to a 20% increase in retention through targeted strategies. Automated reporting dashboards for real-time insights, enhancing decision-making efficiency.
- Performed A/B testing to optimize marketing strategies, boosting conversion rates by 15%.

PROJECTS

Instacart Recommender System   09/2024 - 12/2024

- Built collaborative filtering models in TensorFlow, increasing recommendation accuracy by 20%.
- .Optimized data pipelines using BigQuery, reducing query execution time by 40%.

EcoEye: Online Bird Monitoring System   01/2024 - 04/2024

- Developed an advanced bird monitoring system using OpenCV and deep learning, enabling accurate avian species detection and real-time data collection.
- Designed interactive visualizations to analyze bird migration patterns, enhancing ecological research and conservation efforts.

Tweet Analysis for Sentiment   01/2025 - 02/2025

- Built a sentiment analysis tool to analyze tweets in real-time and classify them as positive, negative, or neutral. The tool collects tweets from Twitter using the Tweepy API and processes them to determine overall sentiment.
- Offered insights into public opinion and sentiment trends, benefiting social media monitoring for brands or research.

EDUCATION

Post-Graduate Diploma   Data Science and Artificial Intelligence :Expected in April 2025
Loyalist College in Toronto , Toronto

Bachelor of Arts   Economics and Mathematics : 07/2022
University of Delhi, Delhi , India

CERTIFICATIONS

- Certified AppSec Practioner (The SecOps Group)
- Microsoft Technology Associate (Microsoft)
- Certified Enterprise Security Officer (Virtual Cyber Labs)
- Cyber Security Foundation (CertiProf)