Sumit Kumar Singh

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EDUCATION

Amity University   **Noida, India**
Bachelor of Computer Application   Present

National Skill Training Institute   **Bengaluru, India**
Advanced Diploma in IT   September 2022 – Present

SRK INTER COLLEGE   **Ghazipur, India**
12th

SKILLS SUMMARY

- **Languages:** Python, SQL
- **Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib, Plotly, Streamlit
- **Tools:** Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills:** Rapport Building, Strong Stakeholder Management, People Management, Excellent Communication

WORK EXPERIENCE

AI Intern | IBM   May 2024 - Present

- Gained hands-on experience in developing AI and machine learning models for real-world applications.
- Contributed to projects involving natural language processing, computer vision, and predictive analytics.
- Collaborated with cross-functional teams to integrate AI solutions into existing systems and products.
- Conducted research on state-of-the-art AI techniques and implemented proof-of-concept models.
- Presented project outcomes and AI models to senior management, contributing to strategic decision-making..

PROJECTS

Visionary Stocks| Link   December 2023 - January 2024

- Developed a machine learning model to predict stock prices using historical data and financial indicators.
- Implemented various algorithms such as Linear Regression, Random Forest, and LSTM for accurate forecasting.
- Performed data preprocessing, feature engineering, and hyperparameter tuning to improve model performance.
- Achieved [insert accuracy/metrics here] in predicting stock trends over [insert time frame].
- Visualized prediction results using Python libraries like Matplotlib and Seaborn for better decision-making insights..

Indian Election Analysis | Link   June 2024 - July 2024

- Conducted comprehensive analysis of Indian election data to identify voting patterns and trends.
- Utilized data mining techniques to extract insights from large datasets spanning multiple election cycles.
- Built predictive models to forecast election outcomes based on demographic and historical voting data.
- Presented findings through detailed reports and visualizations using tools like Python, R, and Tableau.
- Collaborated with a team to cross-validate results and ensure the accuracy of the analysis.

IRCTC-dashboard| Link   June 2024 - July 2024

- Designed and developed an interactive dashboard to visualize and analyze Indian Railway ticketing data.
- Integrated real-time data updates for monitoring train schedules, seat availability, and booking trends.
- Implemented filtering options and dynamic charts using tools like Tableau/Power BI/Plotly.
- Optimized database queries to improve dashboard performance and reduce data loading times.
- Enhanced user experience by incorporating responsive design and easy-to-navigate interface elements.

CERTIFICATES

Applied Data Science with Python| Certificate   November 2023

- Developed proficiency in Python for data analysis, including data manipulation and visualization.
- Built and evaluated machine learning models using Scikit-learn, focusing on real-world applications.

Elements of AI | Finnish Government| Certificate   July 2024

- Gained a foundational understanding of AI concepts and their societal impact.
- Earned a government-certified certification, demonstrating knowledge in AI principles and ethics.

Artificial Intelligence & Machine Learning Course| Certificate   June 2024

- Acquired hands-on experience with AI and machine learning algorithms, including implementation using Python and TensorFlow.
- Applied AI techniques in practical projects, enhancing skills in model development and evaluation.