Aakash Saxena

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EDUCATION

VIT-Bhopal University	Madhya Pradesh
Masters of Computer Applications	*July 2024 − Present*
Vivekananda Institute of Professional Studies	Delhi
Bachelor of Computer Applications|CGPA:8.62	*Dec. 2021 − June 2024*

EXPERIENCE

Data Science Intern — *Aug. 2025*
Prodigy InfoTech — *Remote*

- Performed exploratory data analysis (EDA) on Kaggle datasets (Titanic survival, Twitter sentiment, traffic analysis).
- Created visualizations using Matplotlib, Seaborn, and Tableau to identify key trends and correlations.

Data Science Intern — *May 2023 − July 2023*
IBM — *Remote*

- Developed predictive maintenance models using Logistic Regression, Decision Trees, ARIMA, and LOF to forecast equipment failures.
- Cleaned and transformed large-scale sensor datasets (Kaggle) with Python (NumPy, Pandas, SciPy), improving model accuracy.
- Created time-series and anomaly detection visualizations to interpret predictive results and uncover failure patterns.

PROJECTS

Cyclistic Bike-Share Case Study | Excel

- Analyzed 83K+ trip records to compare usage patterns of casual riders vs. annual members.
- Found that casual riders take longer weekend rides, while members ride shorter, frequent weekday trips.
- Proposed marketing strategies to convert casual riders into annual members.

Task Management Web Application | *MongoDB, Express.js, React.js, Node.js*

- Designed and partially developed a task management app with user authentication and task filters using React.js, Node.js, and MongoDB.
- Gained hands-on experience in full-stack architecture and REST API integration.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C++, C, SQL, R
- **Data Analysis & Visualization:** Tableau, Power BI, Google Sheets, Excel, pandas, NumPy, Matplotlib
- **Web Development:** React.js, Node.js, Express.js, HTML5, CSS, REST APIs
- **Databases:** MongoDB, MySQL, Google BigQuery
- **Developer Tools & Platforms:** Git, GitHub, VS Code, Google Cloud Platform

CERTIFICATIONS

- **Google Data Analytics Professional Certificate (Coursera):** Covered Data Cleaning, SQL, Spreadsheets, Visualization (Tableau, Power BI), Business Problem Solving.
- **Deloitte Australia - Data Analytics Job Simulation:** Used Tableau and Excel to analyze data and created visualizations.