

Aakash Saxena

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EDUCATION

VIT-Bhopal University <i>Masters of Computer Applications</i>	Madhya Pradesh
	<i>July 2024 – Present</i>
Vivekananda Institute of Professional Studies <i>Bachelor of Computer Applications / CGPA:8.62</i>	Delhi
	<i>Dec. 2021 – June 2024</i>

EXPERIENCE

Data Science Intern IBM	<i>May 2023 – July 2023</i>
• 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.	<i>Remote</i>

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.