

# Aakash Saxena

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## EDUCATION

### VIT-Bhopal University

*Masters of Computer Applications*

Madhya Pradesh

*July 2024 – Present*

### Vivekananda Institute of Professional Studies

*Bachelor of Computer Applications | CGPA:8.62*

Delhi

*Dec. 2021 – June 2024*

## EXPERIENCE

### 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.