

AAKASH SAXENA

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TECHNICAL SKILLS

- **Programming Language:** Java, Python, C++, C
- **Front-end:** React.js, JavaScript, HTML5, CSS
- **Back-end:** Node.js, Express.js
- **Database:** BigQuery, MySQL, MongoDB
- **Tools & Platform:** Git, GitHub, REST APIs
- **Visualization Tool:** Tableau
- **Spreadsheet Tools:** Google Sheets, Excel

PROJECTS

Task Management Web Application

Role: Full-Stack Developer | **Tech:** MongoDB, Express.js, React.js, Node.js

- Built a full-stack web app with user authentication and task management features including All, Completed, Incomplete, and Important filters.
- Designed and implemented frontend, backend APIs, and database schema independently.

WORK EXPERIENCE

Prodigy InfoTech

Data Science Intern | August 2025 – Present

- Engineered a predictive maintenance model by implementing machine learning algorithms (Logistic Regression, Decision Trees) on sensor data to accurately forecast equipment failures.
- Enhanced data quality and model accuracy by cleaning and transforming a large-scale Kaggle dataset using Python's Pandas and NumPy libraries.

International Business Machines Corporation (IBM)

Data Science Intern | May 2023 – July 2023

- Developed a predictive maintenance model to forecast equipment failures using sensor data.
- Used Python (NumPy, Pandas, SciPy, Matplotlib, Seaborn, Plotly) and Jupyter Notebook for data preprocessing and visualization.
- Cleaned and transformed Kaggle dataset on machine failures to improve prediction accuracy.
- Implemented **Machine Learning algorithms** (Logistic Regression, Decision Trees, ARIMA, LOF) to analyze failure patterns. Created **data visualizations** (line plots, scatter plots, time series analysis) to identify trends and anomalies.

EDUCATION

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

AWARDS / CERTIFICATE

- ❖ **Coursera Certifications:**
 - Foundations: Data, Data, Everywhere
 - Ask Questions to Make Data-Driven Decisions
 - Prepare Data for Exploration
 - Process Data from Dirty to Clean
- ❖ **Deloitte Australia - Data Analytics Job Simulation**