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**