

ABHAY BIRADAR

Ahmedpur, Latur, Maharashtra

+917558252524 abhaybiradar02@gmail.com

LinkedIn GitHub Hackerrank Web-Portfolio

SUMMARY

Data Engineer with hands-on experience in building Flask-based APIs, optimizing OCR pipelines, and extracting insights from large datasets. Proficient in Python, SQL, and data visualization tools like Power BI. Strong foundation in backend development and cloud workflows.

WORK EXPERIENCE

CNATIVES- Developer/Analyst Intern

January 2025 – Present

- *Developed Flask-based REST APIs to streamline OCR workflows, reducing text extraction delays by 30%.*
- *Built a preprocessing pipeline that improved image-to-text accuracy by 18% using TensorFlow and EasyOCR.*
- *Designed an interactive ReactJS-based frontend, reducing task execution time by 40% during OCR operations.*
- *Collaborated with a cross-functional team to integrate data-driven modules and optimize cloud deployment pipelines.*

EDUCATION

MIT-World Peace University, Pune – (CGPA: 7.99)

Bachelor of Technology in Electrical and Computer Engineering
September 2021 - June 2025

Class XII - Yeshwant Junior College, Ahmedpur (Percentage: 90.33)

June 2020 - May 2021

Class X - Yeshwant Vidyalaya, Ahmedpur (Percentage: 96)

April 2020-May 2021

CERTIFICATIONS

- *Consumer Behaviour by NPTEL - IIT Kharagpur*
- *SQL Essential Training by Walter Shields - LinkedIn Learning*
- *Python Essential Training by Ryan Mitchell - LinkedIn Learning*
- *Google Cloud Computing Foundation by NPTEL - IIT Guwahati*
- *GDSC WOW Pune 2024 by Google Developer Student Club, Pune*
- *Android Development and PLCA, NITTTR, Siemens Center of Excellence, Bhopal*

PROJECTS

Preventive Maintenance of Diesel Engine, Rubiscape

Technologies: Excel/CSV, Python, Data Visualization, Dashboard

- *Developed a preventive maintenance schedule for diesel engines using SVM and KNN algorithms, boosting maintenance efficiency by 60%*
- *Used Python for data analysis, applying statistical methods to uncover trends in engine performance, improving reliability, and longevity*

- Created interactive visualizations to present maintenance data, enhancing decision-making and communication with stakeholders on maintenance strategies

Netflix Data Exploratory Analysis

Technologies: CSV/Excel, Python, Jupyter Notebook, ML, Analytics

- Examined Netflix datasets to reveal trends and insights, including regional and genre-specific content preferences
- Leveraged Python libraries such as Pandas, Matplotlib, and Seaborn for data cleaning, visualization, and statistical analysis
- Generated actionable insights to inform content planning and marketing strategies

Stock Market Analysis

Technologies: CSV/Excel, Python, Jupyter Notebook, ML, Analytics

- Performed time-series analysis and predictive modeling on stock market data
- Utilized machine learning methods to forecast price trends, employing tools such as Python, Scikit-learn, and NumPy
- Delivered insights into market behavior to support portfolio optimization

ACHIEVEMENTS AND EXTRA-CURRICULARS

- *Box cricket Winners AAROHAN 2025*
- *Event Management Head at TEXEPHYR 2023*
- *Accommodation Head for NLC BHAARAT 2023*
- *Class Representative for 2nd and 3rd year of BTech EL&CE*
- *Selected among the top 25 students from the University (MITWPU) for the Johns Hopkins Engineering Exploratory Program 2024*