

PRATIK BABAR

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Technical Skills

Languages and Databases: Python, SQL

Libraries & Frameworks: NumPy, Pandas, Seaborn, Matplotlib

Tools: Power BI, Excel, AWS, Microsoft Azure Platform, Git, Apache Spark, Amazon Redshift, ETL

Other Skills: Data Analytics, Big Data, Cloud Computing and Services, Python Development, Data Manipulation, Machine Learning

Experience

PHYSICS WALLAH PVT. LTD.

January 2025 – April 2025

Big Data Intern

Remote

- Engineered a data collection and transformation pipeline, streamlining processing of large datasets from multiple sources and improving fraud detection efficiency by **30%**.
- Optimized data preprocessing, cleaning, and transformation workflows for an e-commerce analytics dashboard, increasing reliability of insights by **25%**.
- Performed **exploratory data analysis (EDA)** on large e-commerce datasets to uncover customer behaviour and sales patterns.

Projects

Sales Insights Project

Python, Power BI, SQL, Excel.

- Conducted **EDA and data preprocessing** on sales datasets using SQL and Python, boosting revenue forecasting accuracy by **20%**.
- Designed and developed an interactive Power BI dashboard showcasing revenue trends, top customers, and product performance, **reducing reporting time by 30%**.
- Streamlined **data cleaning and ETL processes**, enhancing data reliability and enabling faster insights generation for business decisions.

Expense Tracking System

Python, Streamlit, SQLite, FastAPI.

- Developed a full-stack expense tracker with FastAPI backend and Streamlit frontend, supporting 100+ users with real-time expense monitoring.
- Implemented database **CRUD operations** with automated testing, ensuring robust and reliable expense management functionality.
- Enhanced analytics modules to deliver actionable insights, helping users reduce expenses by **15%** on average.

Airline Data Ingestion and Analytics Pipeline Using AWS

Python, SQL, AWS S3, Redshift, ETL.

- Built an automated airline data pipeline using AWS to process **10 GB/day** of flight logs and airport data.
- Optimized Glue ETL workflows, decreasing data processing time by **20%** and improving analytics delivery speed.

Awards & Achievements

- AWS Practitioner Essentials:** Core AWS services, security, pricing, and cloud best practices.
- Codebasics Data Analytics Bootcamp:** Hands-on experience in data analytics and visualization.
- HackerRank Badges:** Proficiency in Python and SQL.

Education

Manere High School and Junior College

May 2019 –June 2021

Higher Secondary School, Percentage: 91.67

kolhapur, Maharashtra

Progressive Education Society's Modern College of Engineering

July 2021 –April 2025

Bachelor of Engineering in Artificial intelligence and Machine learning, CGPA: 7.02

Pune, Maharashtra