

Kaustubh Pradip Bhale

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SUMMARY

Data professional skilled in **Python, SQL, and data engineering** with experience in **ETL workflows, EDA, and dashboarding using Power BI and Excel**. Proficient in **Flask development** for process automation and integrating monitoring tools like **Centreon and Control-M**. Strong background in **data visualization, performance optimization, and reporting** to support stakeholder decision-making and business efficiency.

TECHNICAL SKILLS

- **Programming & Query Languages:** Python, SQL, R
- **Frameworks & Libraries:** Pandas, NumPy, Scikit-learn, LightGBM, XGBoost, Matplotlib, Seaborn, Flask
- **Data Engineering & ETL:** SQL-based ETL, Data Cleaning, Transformation, EDA
- **Visualization & BI Tools:** Power BI (DAX, Data Modeling), Tableau, Excel (Pivot Tables, Power Query, Power Pivot)
- **Databases:** SQL Server, MySQL, PostgreSQL
- **Monitoring & Scheduling Tools:** Centreon, Control-M, Dynatrace
- **Version Control & Collaboration:** Git, GitHub, Bitbucket, Jira, Trello
- **Methodologies:** Agile, Scrum, SDLC
- **Regulatory Knowledge:** HIPAA, GDPR, Data Privacy
- **Business Skills:** Stakeholder Management, Communication, Business Process Analysis

PROFESSIONAL EXPERIENCE

Axis Bank, India

Jan 2024 – Aug 2025

Associate Technical Engineer, Level – A (Development)

- Built Flask-based solutions to automate **15+** monitoring and reporting processes across multiple LOBs, improving workflow efficiency by **40%**.
- Designed **SQL queries and stored procedures** for ETL workflows, reducing data retrieval times by **60%** and supporting faster analysis.
- Delivered **End-of-Day (EOD) reports** covering 500+ checks and onboarding metrics, enabling stakeholders to respond to critical issues **80% faster**.
- Implemented a **Disaster Recovery (DR) plan** with **10+ documented failover steps**, reducing recovery time and ensuring system resilience.
- Managed **server reboot activities** for DB and OS servers, ensuring stability and minimizing downtime by **30%**
- Configured **Centreon alerts** to monitor CPU, memory, and process utilization, with thresholds set at **75%** to enable early detection of performance issues.

PROJECTS

Fraud Detection in Healthcare Systems (MSc Research Project)

[Project Link](#)

- Developed an ML pipeline processing **550,000+ records (25+ features)** for fraud detection in healthcare claims.
- Developed an ensemble soft-voting classifier (**LightGBM, XGBoost, Random Forest**) achieving **90% accuracy, 89.6% precision**, outperforming baselines.
- Applied feature engineering (label encoding, SMOTE oversampling, derived variables like hospitalization duration, claim ratios).
- Delivered a **Flask-based prediction interface** with **real-time single/batch predictions, visualizations, and dashboards**.

Ecommerce Sales Dashboard (Power BI + SQL)

[Project Link](#)

- Designed **Power BI dashboards** with **20+ visualizations** for sales trends, geography, and customer segmentation.
- Implemented ETL pipelines to integrate data from **SSMS**, ensuring accuracy and consistency.
- Created a data model with optimized relationships and **15+ advanced DAX measures** (YoY sales, Profit % , profit margins).
- Published reports **to Power BI Service** reducing ad-hoc reporting by **40%**

EDUCATION

MSc Data Science | Nottingham Trent University, UK (Sept 2024 – Present)

Coursework: Data Analytics, Statistical Analysis, Data Visualization, Python, R, Big Data

Grade: Commendation – High

AWARDS & RECOGNITION

Tech Star Award – Modernization & Tech Adoption (2023), Axis Bank: Recognized for exemplary performance in implementing modernization and technology-driven solutions.