

Harsh Anil Belekar

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SUMMARY

Aspiring **Data Analyst and Python Developer** with hands-on experience building **end-to-end analytics, data warehousing, and automation projects** using Python, SQL, PostgreSQL, Tableau, Power BI, and Excel. Skilled in **data cleaning, ETL pipelines, Exploratory Data Analysis (EDA), dashboard development, and business intelligence reporting**. Experienced in designing scalable data systems, generating actionable insights from large datasets, and **developing interactive visualizations for business decision-making**. Built industry-style projects including **Swiggy Sales Analysis, Samsung Data Warehouse**, and an **Autonomous Drone** system integrating AI, sensor fusion, and computer vision. Strong analytical, problem-solving, and data storytelling abilities with a passion for transforming raw data into impactful solutions.

SKILLS

Data Analysis & Visualization: Power BI, Tableau, Excel, Jupyter Notebook, Matplotlib, Seaborn

Programming & Data Handling: Python (Pandas, NumPy, psycopg2), SQL, C++, Git & GitHub

Database Management: MySQL, PostgreSQL, SQLite, SQLAlchemy, Data Modeling

ETL & Automation: ETL Pipelines, Data Cleaning, Data Transformation, Automation Scripts

Statistical & Analytical Techniques: Exploratory Data Analysis (EDA), KPI Analysis, RFM Analysis, Cohort Analysis, Customer Lifetime Value (CLV), Business Insights, Statistical Analysis

Soft Skills: Data Storytelling, Analytical Thinking, Dashboard Development, Problem-Solving, Reporting, Communication, Team Collaboration, Quick Learning

EXPERIENCE

Data Analyst Intern – Unified Mentor (Remote)

Nov 2025 - Feb 2026

- Completed a 3-month Data Analytics internship using **Python, SQL, Excel, and Tableau** for **real-world data analysis projects**. Gaining hands-on experience with Python, SQL, Excel, and Tableau for data cleaning, transformation, and dashboard creation.
 - Performed **data cleaning, Exploratory Data Analysis (EDA), and business insights** generation using Python, SQL and Tableau.
 - Developed interactive **Tableau dashboards** and visual reports for **financial, stock market, and influencer analytics** datasets.
 - Built and completed 5 **End-to-End analytics projects** involving **data preprocessing, KPI tracking, and visualization**.
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PROJECTS

1. Autonomous Drone using Raspberry Pi Zero W [\[View Project\]](#)

- Designed and developed an **Autonomous drone** system using a **Raspberry Pi**-based architecture with **real-time flight control, stabilization, and intelligent navigation**.
- Implemented sensor fusion using an **Extended Kalman Filter (EKF)** to combine **IMU and magnetometer** data for accurate orientation and flight stability

- Integrated autonomous functionalities including **GPS navigation, altitude hold, obstacle avoidance, Return-to-Home (RTH), and PID-based flight stabilization.**
- Developed **human face detection and tracking capability** to enable autonomous target following using computer vision techniques.
- Built a wireless control system using a **web-based joystick interface for remote drone operation and telemetry communication.**

Tools: C++, Python, Raspberry Pi Zero W, MPU6050, QMC5883L, Ublox Neo-M6N GPS, BMP180, VL53L0X, PID Control, EKF, Computer Vision, Sensor Fusion

2. Swiggy Sales Analysis (Data Generation, Python, SQL & Power BI) [\[View Project\]](#)

- Engineered a **synthetic dataset of 600K+ orders** across 10 Indian cities (2022–2025) using Python with NumPy vectorization, achieving **12x faster generation** across 5 normalized PostgreSQL tables.
- Designed a star schema PostgreSQL database with **2 aggregated master tables** and solved 7 business challenges through **Python analysis** - including **RFM Segmentation, Cohort Retention, CLV Calculation, Basket Analysis, and Market Expansion Scoring.**
- Built a **7-page interactive Power BI dashboard** with **100+ DAX measures** (MTD/QTD/YTD, RFM Scoring, Saturation Index) uncovering key insights — Top **20%** customers drive **84.1%** revenue, **₹25 Cr** annual cancellation loss, and **45M** untapped users across all cities.

Tools: Python, Pandas, NumPy, Matplotlib, Seaborn, PostgreSQL, SQLAlchemy, Power BI, DAX, Jupyter Notebook, Git, GitHub

3. Samsung Data Engineering (Data Warehouse, Python & SQL) [\[View Project\]](#)

- Designed and built a complete End-to-End Data Warehouse for Samsung using Medallion Architecture (**Bronze → Silver → Gold**) in PostgreSQL, processing **2M+ rows** across **14 tables** and **6 business domains** (Sales, Finance, CRM, After-Sales, Supply Chain, Marketing).
- Implemented a **dual-pipeline** approach using both **Python Scripts** and **SQL Stored Procedures** for Bronze ingestion, Silver cleaning, and **Gold view creation** - demonstrating proficiency in both engineering paradigms on the same project.
- Authored complete project documentation - **Data Catalog, Data Generation Guide, and Naming Conventions** - making the warehouse handoff-ready for Data Analysts and Power BI Developers.

Tools: Python, Pandas, NumPy, PostgreSQL, SQL, psycopg2, SQLAlchemy, Git, GitHub

EDUCATION

BSc, Information Technology

July 2022 - April 2025

N.B.Mehta Science College | Bordi, Maharashtra

CGPA: 9.63

CERTIFICATIONS

- **GenAI Powered Data Analytics Job Simulation** – Tata Group (2025) [\[View Certificate\]](#)
- **Cisco Data Analytics Essentials** – Cisco Networking Academy (2025) [\[View Certificate\]](#)
- **100 Days of Code: The Complete Python Pro Bootcamp** – Udemy [\[View Certificate\]](#)
- **Automate Everything with Python** – Udemy [\[View Certificate\]](#)
- **The Complete MySQL Bootcamp: SQL Beginner to Expert** – Udemy [\[View Certificate\]](#)