

HARSHAL VALMIK SAUDAGAR

AI / Data Analyst

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[LinkedIn](#) — [GitHub](#)

SUMMARY

Detail-oriented IT undergraduate with hands-on experience in Generative AI, data analytics, and predictive modeling. Skilled in building AI-powered solutions, ETL pipelines, and business intelligence dashboards using Python, SQL, and ML libraries. Strong understanding of ethical AI, automation, and data-driven decision-making.

SKILLS

Programming & Analysis: Python, SQL, Pandas, NumPy, Scikit-learn, Feature Engineering, Data Wrangling

Data Visualization & BI: Matplotlib, Seaborn, Power BI, Dashboard Development

AI/ML & GenAI: TensorFlow, Generative AI (GenAI), Agentic AI Tools, OpenCV, RAG (Retrieval Augmented Generation)

Databases: MySQL, PostgreSQL, RDBMS

Cloud: AWS (Basic)

Other: Exploratory Data Analysis (EDA), ETL Pipelines, Risk Analysis, AI Strategy

WORK EXPERIENCE

TATA Group – Data Analytics Virtual Experience (Forage)

Jul 2025

AI Transformation Consultant (Simulation Project)

- Conducted EDA using GenAI tools to assess data quality and identify delinquency risk factors.
- Designed an AI-driven collections strategy integrating automation, KPIs, and real-time analytics.
- Applied predictive analytics and risk modeling to improve decision-making accuracy.
- Incorporated ethical AI principles, compliance standards, and scalability into the AI lifecycle.

YBI Foundation

Dec 2024 – Jan 2025

Data Analyst Intern

- Analyzed large structured and unstructured datasets (IPL, Bollywood, demographics, air quality) using Python.
- Built interactive dashboards and BI reports using Power BI and Tableau.
- Developed optimized SQL queries for data cleaning, transformation, and aggregation.
- Implemented regression, clustering, and classification ML models for business use cases.
- Automated reporting workflows using ETL pipelines, improving efficiency and accuracy.

PROJECTS

Face Detection using OpenCV (Haar Cascade & DNN)

- Built a computer vision system to detect and highlight faces using bounding boxes.
- Implemented Haar Cascade and deep learning-based DNN models.
- GitHub: [Repository](#)

RAG Chatbot – Document-based Question Answering

- Developed a Streamlit-based AI assistant for querying PDFs, text, and Word documents.
- Used Retrieval-Augmented Generation (RAG) for context-aware responses.
- GitHub: [Repository](#)

Consumer Shopping Behavior Analysis – Retail Analytics

- Analyzed transaction data to identify purchase drivers and customer segments.
- Performed data cleaning and feature engineering in Python; business analysis using SQL.
- Built Power BI dashboards highlighting KPIs, trends, and insights.
- Delivered a final report and presentation with actionable marketing recommendations.
- GitHub: [Repository](#)

EDUCATION

B.E. in Information Technology

2022 – 2026

SKN Sinhgad Institute of Technology and Science, Pune

CGPA: 7.23 / 10

12th Grade

55%

Z.B. Patil College of Science and Arts, Dhule

10th Grade

81%

Maharana Pratap Highschool, Dhule