# Abhishek Haldar

Vadodara, Gujarat, India | +91 8469263646 | haldarabhishek7@gmail.com | LinkedIn | GitHub

## Profile Summary

Data Science undergraduate with hands-on experience in data collection, evaluation and annotation using Python, SQL and R. Solid foundation in cloud-based workflows on AWS and Google Cloud, coupled with AI/ML integration and interactive dashboarding. Fluent in English (B2–C2) and eager to support high-quality AI content enhancement.

## Technical Skills

- **Programming Languages:** Python, R, SQL
- **Frameworks & Libraries:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib
- **Cloud Platforms:** AWS, Google Cloud, Microsoft Azure
- **Tools & Technologies:** Power BI, Looker, BigQuery, AWS EMR, Document AI
- **Other Skills:** Serverless Automation, API Integration, Data Engineering, Cybersecurity Fundamentals, Software Engineering Principles

## Projects

**Calabi – Interactive Academic Analytics Platform**

- Built a data-driven academic analytics system in Python to extract workload, temporal, and behavioral insights from calendar data through feature engineering and statistical analysis.
- Developed interactive Streamlit dashboards and visualizations to support exploratory data analysis of weekly, monthly, and subject-level activity patterns.
- Integrated explainable, context-aware AI assistance to interpret trends, anomalies, and analytical outputs for data-informed decision-making.

**Customer Segmentation and Portfolio Analysis Tool**

- Developed an end-to-end customer segmentation and portfolio analysis system using Python, Pandas, NumPy, and Scikit-learn to extract actionable business insights from transactional data.
- Implemented RFM analysis and K-means clustering with optimal cluster selection to segment customers, assign value scores, and profile behavioral patterns.
- Built an interactive Streamlit dashboard with KPIs, filtering, and visual analytics to support data-driven decision-making across customer and product segments.

**AI-Supported Chess Game**

- Designed an AI-assisted chess game implementing algorithmic decision-making and heuristic evaluation to simulate intelligent gameplay.
- Applied game-tree exploration and strategy evaluation techniques to optimize move selection and improve AI performance.
- Demonstrated strong problem-solving, algorithmic thinking, and AI logic through rule-based and evaluation-driven gameplay mechanics.

## Certifications & Badges

- JPMORGAN CHASE & Co. (Forage) : Quantitative Research Job Simulation
- Deloitte Australia (Forage): Data Analytics Job Simulation
- Siemens Mobility (Forage): Project Manager Job Simulation
- BCG (Forage): Introduction to Data for Decision Makers Job Simulation
- Amazon Web Services (AWS):
  * AWS Academy Graduate – Data Engineering
  * AWS Academy Graduate – EMR
  * AWS Academy Graduate – Machine Learning Foundations
  * AWS Academy Graduate – Generative AI
- Google Cloud (Data Analytics & BigQuery):
  * BigQuery for SQL-based analytics
  * Streaming and batch data processing in BigQuery
  * Data storage and management on Google Cloud
  * Dashboarding and reporting with Looker and Looker Studio
  * Data preparation, modeling, and visualization
  * Automated data ingestion using Document AI
  * Analytics workflows with Gemini in BigQuery
- Microsoft (Power BI & Analytics):
  * Power BI Desktop: data modeling, visualization, and publishing
  * DAX calculations (time intelligence, filter context)
  * Semantic model configuration and performance optimization
  * End-to-end analytics using Microsoft Fabric
  * Copilot integration in Power BI

## Work Experience

**Siemens Mobility** | ***Project Manager – Job Simulation*** **Jan 2026 - Present**

- Built KPIs and dashboards to monitor rail infrastructure project performance and stakeholder progress reporting

**Deloitte Australia** | ***Data Analytics – Job Simulation*** **Jan 2026**

- Analyzed datasets, built Tableau dashboards, and used Excel to derive business insights in forensic analytics scenarios

## Education

**Navrachna University** | ***B.Sc., Data Science*** **2023 - 2026**

**Shannen School CBSE** | ***Higher Secondary Education, PCB***