Resume

Bhavesh Padharia

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TOOLS & TECHNOLOGY

- **Programming & Scripting:** Python, SQL, R, Bash
- **Data Processing & ETL:** Pandas, NumPy, PySpark, SQL Server, Azure SQL, Databricks
- **Machine Learning & AI:** Scikit-learn, XGBoost, LightGBM, ARIMA, SARIMA, TensorFlow, PyTorch, Generative AI frameworks (LlamaIndex, Ollama, AutoGen, Agno, CrewAI, SmolAgents), Model Context Protocol (MCP), Copilot Studio, Structured Outputs (Pydantic), LLM Evaluation & Monitoring
- **Computer Vision & NLP:** OpenCV, Tesseract OCR, YOLO, NLP libraries (Transformers, spaCy)
- **Cloud & DevOps:** Azure AI Services, Azure AI Search, Azure DevOps, GitHub, CI/CD pipelines
- **Visualisation & BI:** Tableau, Power BI, AVEVA PI Vision
- **Other Tools:** Web scraping (BeautifulSoup, Selenium), Docker, REST APIs
- **Leadership & Delivery:** Technical Leadership, Cross-Functional Collaboration, Stakeholder Management, Agile/Scrum, Project Roadmapping, Client-Facing Presentations

PROFESSIONAL EXPERIENCE

Value Chain Solutions (India) Pvt. Ltd., Ahmedabad
Senior Data Scientist | Feb 2023 – Present
Dedicated to BASF SE, Germany | Assignment: Mar 2024 – Dec 2025

- Led end-to-end development of a customer support chatbot using agentic Retrieval-Augmented Generation (RAG), integrating it with the website via the **LlamaIndex** framework and **Ollama** model.
- Served as a dedicated Data Scientist in BASF SE's Global Commercial Excellence team, leading the design and implementation of a **Generative AI application** and industrialization a descriptive analytics model (Mar 2024 – Dec 2025).
- Functioned as **Scrum Master** for Generative AI initiatives, managing project delivery in **Azure DevOps**. Created and maintained EPICs, features, and tasks; facilitated Agile ceremonies including sprint planning, weekly updates, and coordination meetings to ensure alignment with business objectives and delivery timelines.
- Developed an AI Search Agent integrated with SharePoint using Copilot Studio.
- Provided technical leadership for the **ComEx Agentic AI chatbot**, designing and integrating agentic AI frameworks (**AutoGen, Agno, CrewAI, SmolAgents**) with MCP servers for AI Search, SQL querying, and Web Search. Oversaw solution architecture, implementation, technical documentation, and automated deployments using **Azure DevOps** and **GitHub**.
- Developed an **AI search MCP server** using **Azure AI Search services**, optimising for performance, scalability, and enterprise search capabilities.
- Spearheaded the development of an **AI-powered order automation solution** using **Databricks notebooks**, **Azure AI Foundry Document Intelligence**, and CI/CD pipelines with **Azure DevOps** and **GitHub**.

- Industrialisation descriptive analytics models, including customer churn, share of wallet, market size, market share, distributed segmentation, and coverage models. Built scalable **ML pipelines** in **Databricks**, integrating **Azure SQL** data ingestion, model training, validation, and **CI/CD** deployment via **Azure DevOps**.
- Developed core components of an **anti-counterfeit application**, including QR code generation and custom visual pattern design, using **computer vision techniques** to transform numerical patterns into secure visual representations.
- Worked with **AVEVA PI Vision** to analyse operational data, monitor dashboards, and resolve data ingestion pipeline issues. Provided data to the visualisation team to support dashboard design and development.

Deets Digital Pvt. Ltd., Ahmedabad
Data Scientist | Jun 2022 – Jan 2023

- Developed and deployed machine learning models for risk assessment, fraud detection, and underwriting, improving prediction accuracy through advanced feature engineering and model optimisation for BFSI domain projects.
- Designed and implemented executive-level Power BI dashboards to monitor KPIs and model performance, enabling data-driven strategic decision-making.
- Conducted large-scale social media analytics for FMCG clients, leveraging AI-driven insights to optimise brand positioning and marketing strategies.

Shivohm Softech Pvt. Ltd., Gandhinagar
Data Scientist | Jan 2021 – May 2022

- Led AI/ML initiatives in the Supply Chain domain by developing demand forecasting models using ARIMA and SARIMA, achieving 95% accuracy and enabling improved inventory planning.
- Designed and optimised scalable ETL pipelines in SQL Server, significantly reducing data processing and reporting latency.
- Developed interactive Tableau dashboards for real-time operational visibility and performance monitoring.

Garuda Advertising Pvt. Ltd., Ahmedabad
Data Scientist | Jun 2017 – Jan 2021

- Developed an end-to-end computer vision system for traffic and vehicle tracking using YOLO-based object detection and OCR, improving detection accuracy by 22%.
- Built recommendation engines and customer segmentation models, boosting marketing campaign ROI by 15%.
- Implemented Python-based web scraping and data collection pipelines for competitive and market analysis.
- Designed and delivered interactive Tableau dashboards, enabling data-driven decision-making for business stakeholders.

Education

- Bachelor of Engineering (B.E.) in Computer Science, GTU University
- Diploma in Computer Engineering, GTU University
- SSC 10th Gujarat Board

Certifications

- [Machine Learning A-Z: AI, Python & R + ChatGPT](#)
- [Generative AI Fundamentals](#)
- [Responsible AI: Applying AI Principles with Google Cloud](#)
- [Microsoft Badge & Trophies](#)