

Bhavesh Padharia

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Professional Summary

Accomplished Senior Data Scientist with over 8 years of experience delivering AI/ML solutions in Agriculture, E-Commerce, Supply Chain, and BFSI, driving operational efficiency through predictive analytics and Large Language Models (LLMs). Proficient in Python, SQL, Azure, and Tableau, with a proven ability to lead cross-functional teams and optimize data-driven decision-making. Spearheaded scalable AI deployments, including NLP automation and OCR systems, achieving up to 30% efficiency gains. Passionate about leveraging advanced analytics to foster innovation and business growth. Conduct technical presentations and demos to clients and stakeholders.

Skills

- **Machine Learning & AI:** Supervised/Unsupervised Learning, Random Forest, XGBoost, Deep Learning (TensorFlow, PyTorch), NLP (BERT, GPT), LLMs (Llama, DeepSeek), RAG, Agentic framework(Autogen,Agno, A2A Protocol, Lanchain), Prompt Engineering
- **Programming & Tools:** Python, SQL, FastAPI, Tableau, Power BI, YOLO, OCR
- **Cloud Platforms:** Azure, AWS
- **Data Engineering:** ETL Pipelines, SQL Server, Data Cleaning, Feature Engineering
- **Leadership:** Team Management, Stakeholder Engagement, Project Roadmapping, Agile Methodologies
- **Domains:** Agriculture, Industry 4.0, Supply Chain, BFSI, E-Commerce

Professional Experience

Value Chain Solutions (India) Pvt. Ltd, Ahmedabad

Senior Data Scientist (Client-Facing – Germany, Agriculture Domain) | Feb 2023 – Present

- Part of the central team for Global Commercial Excellence, driving large-scale projects that impact decision-making in 15 core countries, with ongoing scale-up across all client regions.
- Collaborated with stakeholders to understand business problems, design process flows, create solutions, and deploy production-ready applications.
- Conduct technical presentations and demos to clients and stakeholders.
- Built multi-agent workflows using LangChain, LangGraph, and Autogen, integrating them with Model Context Protocol (MCP) for enterprise applications.
- Developed structured outputs leveraging Pydantic and LLMs, and delivered scalable APIs with FastAPI.
- Directed the end-to-end development of an agentic AI application using MCP, improving system scalability by 25%.
- Design and implement intelligent copilots using Microsoft Copilot Studio.

- Connect copilots to external data sources and APIs using Power Automate, Dataverse, and other Power Platform components.
- Led R&D for LLM-based applications, including RAG models and real-time inference pipelines, reducing response time by 30%.
- Designed and deployed NLP-based automation and OCR systems, enhancing supply chain operational efficiency by 20%.
- Spearheaded debugging and optimization of AI models, achieving 99.9% system reliability.
- Researched and implemented agentic frameworks for autonomous AI systems.
- Managed Azure-based AI deployments, ensuring seamless enterprise integration.
- Served as Scrum Master, ensuring timely project delivery and adherence to Agile best practices.

Deets Digital Pvt Ltd, Ahmedabad

Data Scientist | Jun 2022 – Jan 2023

- Developed Python-based AI solutions for automation, reducing manual processing time by 15% in BFSI workflows.
- Built and deployed ML models for risk assessment and fraud detection, improving accuracy by 18%.
- Created Power BI dashboards for executive decision-making, driving improvement in strategic outcomes.
- Conducted social media analytics, leveraging AI insights to optimize brand strategies for FMCG clients.

Shivohm Softech Pvt Ltd, Gandhinagar

Data Scientist | Jan 2021 – May 2022

- Managed AI/ML projects in Supply Chain, developing predictive models for demand forecasting with 95% accuracy.
- Engineered scalable ETL pipelines using SQL Server, reducing data processing time.
- Designed Tableau dashboards for real-time operational insights.
- Led a team of 3 in automation scripting and ML model deployment, completing projects 10% ahead of schedule.

Garuda Advertising Pvt Ltd, Ahmedabad

Data Scientist | Jun 2017 – Jan 2021

- Developed an end-to-end traffic vehicle tracking system using OCR and YOLO-based object detection, improving accuracy by 22%.
- Built recommendation engines and customer segmentation models, increasing marketing campaign ROI by 15%.
- Created Python-based web scraping tools for competitive analysis, delivering insight.
- Designed interactive Tableau and Power BI dashboards, enhancing stakeholder decision-making.

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](#)