Resume

Bhavesh Padharia

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PROFESSIONAL SUMMARY

Principal / Lead Data Scientist specialising in Enterprise Generative AI and Azure-native AI platforms, with 8+ years of experience delivering production-grade AI systems across global enterprises. Proven expertise in designing and scaling LLM-powered copilots, RAG architectures, and agentic AI systems integrated with Azure services. Strong record of partnering with business and engineering stakeholders to translate complex requirements into secure, scalable, and reliable AI solutions, achieving 30%+ efficiency gains and 99.9% production reliability. Experienced in owning AI solutions end-to-end—from architecture and model selection to deployment, monitoring, and continuous improvement.

SKILLS

- Machine Learning & AI : Supervised & Unsupervised Learning, Random Forest, XGBoost, Deep Learning (PyTorch, TensorFlow), NLP (BERT, GPT), Large Language Models (Llama, DeepSeek), Retrieval-Augmented Generation (RAG), Agentic AI Systems, Prompt Engineering
- GenAI & Platforms : LangChain, LangGraph, AutoGen, Model Context Protocol (MCP), Copilot Studio, Structured Outputs (Pydantic), LLM Evaluation & Monitoring
- Programming & Tools : Python, SQL, FastAPI, REST APIs, Tableau, Power BI, YOLO, OCR
- Cloud & MLOps : Azure, GCP, AWS, Scalable AI Deployments, CI/CD for ML, API-based Inference Pipelines
- Data Engineering : ETL Pipelines, SQL Server, Feature Engineering, Data Quality & Validation
- 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 (Client-Facing | Global Agriculture Domain | Dedicated to BASF SE, Germany) | Feb 2023 – Present

- Lead architecture and delivery of Azure-native Generative AI solutions for BASF SE (Germany), supporting Global Commercial Excellence initiatives across 15 countries, with active scale-up across additional regions.
- Own end-to-end lifecycle of enterprise AI systems, including requirements gathering, solution architecture, model development, Azure deployment, monitoring, and iterative optimization.
- Designed and delivered LLM-powered copilots and RAG systems using LangChain, LangGraph, AutoGen, and Model Context Protocol (MCP), aligned with secure enterprise integration patterns.
- Directed development of an agentic AI platform leveraging MCP and multi-agent orchestration, improving system scalability by 25% and enabling modular, reusable AI workflows.

- Implemented structured LLM outputs using Pydantic and exposed inference and orchestration services via FastAPI, ensuring robust API contracts and enterprise-grade reliability.
- Led R&D for real-time LLM inference pipelines and optimized retrieval strategies, reducing response latency by 30% while maintaining accuracy and cost efficiency.
- Designed and deployed NLP automation and OCR-based document intelligence solutions, improving supply chain and operational workflows by 20%.
- Built and deployed intelligent copilots using Microsoft Copilot Studio, integrating external systems through Power Automate, Dataverse, and REST APIs.
- Managed Azure-based AI deployments with a strong focus on scalability, security, and Responsible AI, achieving 99.9% system availability in production.
- Served as Scrum Master, driving Agile ceremonies, cross-team collaboration, and predictable delivery across distributed teams.
- Regularly delivered technical deep-dives, architecture reviews, and live demos to senior stakeholders and international enterprise clients.

Deets Digital Pvt. Ltd., Ahmedabad

Data Scientist | Jun 2022 – Jan 2023

- Developed Python-based AI automation solutions for BFSI workflows, reducing manual processing effort by 15%.
- Built and deployed ML models for risk assessment and fraud detection, improving prediction accuracy by 18% through feature engineering and model tuning.
- Designed executive-facing Power BI dashboards to track KPIs and model performance, supporting data-driven strategic decisions.
- Conducted large-scale social media analytics for FMCG clients, translating AI-driven insights into optimized brand and marketing strategies.

Shivohm Softech Pvt. Ltd., Gandhinagar

Data Scientist | Jan 2021 – May 2022

- Led AI/ML initiatives in the Supply Chain domain, developing demand forecasting models achieving 95% accuracy and enabling improved inventory planning.
- Designed and optimized scalable ETL pipelines using SQL Server, significantly reducing data processing and reporting latency.
- Built interactive Tableau dashboards for real-time operational visibility and performance monitoring.
- Mentored and led a team of 3 data professionals, delivering automation and ML projects.

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, increasing marketing campaign ROI by 15%.
- Created Python-based web scraping and data collection pipelines for competitive and market analysis.
- Designed and delivered interactive Tableau and Power BI 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](#)