

Ritika Kandhari

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SUMMARY

Microsoft Azure certified Data Scientist with over 6 years of experience, including 3+ years in Generative AI. Skilled in machine learning model development, data-driven solutions, and natural language processing. Proficient in Python, SQL, and Azure. Experienced in building and deploying advanced analytics solutions, including recommendation systems, large language models (LLMs), and AI-driven insights. Passionate about solving complex business challenges through innovative, data-informed decisions.

EXPERIENCE

Arada | Dubai, UAE

Sr. AI Consultant | 06/2025 – Present

- Leading AI-driven digital transformation initiatives across multiple departments, helping the company improve operational efficiency, reduce costs, and enhance decision-making.
- Designed and implemented numerous POCs and MVPs, leveraging AI and cloud technologies to automate workflows, streamline processes, and accelerate business growth.
- Partnered with business leaders to identify high-impact AI use cases in real estate operations, marketing, customer support, and finance, enabling end-to-end digitization.
- Delivered scalable AI solutions that improved process efficiency and resource utilization, directly contributing to cost savings, higher firm valuation, and enhanced shareholder value.
- Established best practices for AI adoption, governance, and cloud-based deployment, ensuring secure, reliable, and future-ready solutions.

Accenture | Gurugram, Haryana

Sr. Data Scientist | 09/2021 – 06/2025

- Conducted extensive research and analysis on various large language model (LLM) architectures, including testing and evaluating Sambanova's LLMs for call center analytics, improving accuracy and performance for specific use cases.
- Led multiple POCs using GPT-3.5 and GPT-4 to develop and implement AI-driven solutions, such as invoice data extraction, false value detection, and document chat assistants.
- Designed and deployed Retrieval-Augmented Generation (RAG) systems using LangChain, improving real-time data retrieval and NLP capabilities to enhance user interactions and decision-making in business contexts like customer support and marketing.
- Performed data processing and analysis for telecom clients, contributing insights that helped mitigate device outages and optimize service delivery.

Istudio Technologies | Chennai, Tamil Nadu

Machine Learning Engineer | 08/2020 - 09/2021

- Led the development of an online exam proctoring platform, incorporating advanced machine learning techniques for face detection, recognition, tracking eye and lip movements, and voice-to-text conversion to detect prohibited conversations.
- Worked on various POCs to develop machine learning models for predicting airplane maintenance needs based on historical data, and predicting diseases based on symptoms.
- Ensured accuracy and reliability of results by performing thorough testing and validation of machine learning models.

KocharTech | Amritsar, Punjab

Machine Learning Engineer | 08/2019 - 05/2020

- Conducted data analysis to identify patterns and insights related to ATM cleanliness and occupancy, using Python to wrangle and analyze large datasets.
- Led proof-of-concept projects to detect prohibited mobile devices and items in BPO centers, using computer vision and deep learning techniques to accurately identify and flag prohibited objects.
- Kept up-to-date with best practices in machine learning and data analysis, regularly attending conferences and training sessions to ensure the team was utilizing the latest tools and techniques.

Constalytics AI | Mohali, Punjab

Machine Learning Intern | 01/2019 - 06/2019

- Assisted with the development and implementation of various machine learning models, including supervised and unsupervised learning algorithms.

- Conducted data preprocessing, cleaning, and feature engineering to optimize model performance.
- Supported the development of machine learning pipelines to streamline model development and deployment.

EDUCATION

Bachelor of Technology (Computer Science & Engineering)

2015-19

Punjab Technical University

TECHNICAL SKILLS & INTERESTS

- Programming Languages: Python, SQL
- Machine Learning: Supervised and Unsupervised Learning, Neural Networks, Deep Learning, TensorFlow, PyTorch
- Recommendation Systems: Collaborative Filtering, Content-Based Filtering, Hybrid Models, Matrix Factorization, Deep Learning-based Models
- AI Tools: OpenAI (GPT-3, GPT-4), Hugging Face, LangChain, RAG
- Data Tools: ETL, Data Analysis, Git
- Cloud Platforms: Microsoft Azure
- Other Tools: OpenCV, NLP (BERT, GPT), Neo4j

PUBLICATIONS & CERTIFICATIONS

- Kandhari, Ritika, et al. "A Survey on Relationship Extraction with a Special Attention on Low-Resource Languages." International Conference on Artificial Intelligence, Machine Learning, and Big Data Engineering (ICAIMLBDE), ISETE, 17th April 2024.
- Microsoft Certified : Data Science Associate