

DEVANSH MISTRY

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OBJECTIVE

Results-driven AI Developer with hands-on experience building and deploying machine learning and generative AI systems. Skilled in Python, Azure AI, and LLM integration, with a strong foundation in prompt engineering, RAG pipelines, and API-based orchestration. Passionate about developing responsible, human-centered AI applications that bridge cutting-edge language models with real-world user experiences.

PROFESSIONAL DEVELOPMENT AND TRAINING

Microsoft Certified: Azure AI Engineer Associate (AI-102)	Jun 2025
Microsoft Certified: Azure Data Scientist Associate (DP-100)	Feb 2025
Microsoft Certified: Azure AI Fundamentals (AI-900)	Sep 2023
IBM Machine Learning Specialization	Mar 2023
IBM A Deep Learning and Reinforcement Learning	Feb 2023

HIGHLIGHTS OF QUALIFICATIONS

- Azure Certified Data Scientist Associate (DP-100, 3×) and Azure AI Engineer Associate (AI-102), with strong foundation in LLM integration, prompt engineering, and applied machine learning.
- Experienced in developing end-to-end AI pipelines from data collection and preprocessing to model tuning and deployment using Python, Flask API, and Docker.
- Hands-on in Retrieval-Augmented Generation (RAG), function calling, and tool-use workflows for improving contextual reasoning and response accuracy in LLMs.
- Strong coding foundation in Python, NumPy, Pandas, and Scikit-learn; practical experience integrating LLMs into real applications using vector databases and API endpoints.
- Implemented AI microservices leveraging Azure OpenAI, Hugging Face models, and embedding APIs for semantic search and intelligent assistants.
- Advocate for Responsible and Explainable AI, ensuring ethical, transparent, and human-aligned implementations.
- Collaborative, detail-oriented, and motivated to bridge the gap between research-grade LLM innovation and production-ready AI systems.

TECHNICAL SKILLS SUMMARY

Programming & Tools: Python, SQL, Pandas, NumPy, Scikit-learn, TensorFlow, Flask, FastAPI, Docker, REST APIs

Cloud & Platforms: Microsoft Azure (Machine Learning, Cognitive Services, Azure OpenAI), GitHub Actions, VS Code, Linux

Data Science: Data Modeling, Data Cleaning, Data Visualization, Feature Engineering, Model Deployment, MLOps Basics

Databases & Analytics: SQL, MySQL, MongoDB, Data Storytelling, Dashboarding (Power BI / Matplotlib / Seaborn)

Analytics & ML: KPI Dashboards, LLM Application Development, NLP, AI Agents, Model Evaluation.

EDUCATION

Web Development, Ontario College Graduate Certificate (PG) May 2024 – Aug 2025
Conestoga College, Waterloo, ON

BACHELOR OF ENGINEERING(BE), INFORMATION TECHNOLOGY April 2019 – May 2023
L.D. College of Engineering, Ahmedabad, Gujarat, IN.

Program Highlights:

- Data Science & Artificial Intelligence
- Pattern Recognition & Probability and Statistics
- Database Management Systems, Cryptography and Network Security, DSA.

WORK HISTORY

Data Scientist (Intern) (Full-time) May 2022 – Feb 2023
iNeuron.ai.

- Built and deployed machine learning models on Azure ML for predictive analytics.
- Conducted data preprocessing and feature engineering to improve model reliability and insight accuracy.
- Containerized models using Flask + Docker, automating deployment and scaling across environments.
- Designed interactive dashboards to visualize performance metrics and streamline insights for decision-makers.

Machine Learning Intern (Full-time) Jan 2023 – Feb 2023
F(x) Data Labs, Ahmedabad, India.

- Researched and reported on AI applications in aviation, synthesizing academic + industry data into actionable insights.
- Prototyped NLP and predictive models, validating feasibility for real-world aviation operations.
- Delivered stakeholder-ready presentations, translating ML outputs into clear business recommendations.

Content & Analytics Assistant (Part-time) Aug 2024 – Apr 2025
Conestoga College Esports, Waterloo, ON.

- Produced analytics-driven engagement reports using performance data to guide strategy decisions.

ACADEMIC PROJECTS

Recipe Retrieval and Generation System (RAG-based) Conestoga College | 2024

- Built a RAG pipeline using MongoDB Atlas, Google Gemini LLM and embeddings APIs to generate tailored recipe recommendations.
- Implemented vector search, semantic retrieval, and prompt optimization to improve contextual accuracy in recipe recommendations.

Adult Census Income Prediction System iNeuron.ai Internship | 2022

- Developed binary classification model (TensorFlow + tree-based algorithms) to predict income.
- **Applied Explainable AI (XAI)** for transparent decision-making in loan/financial scenarios.
- Executed full pipeline: data preprocessing, feature engineering, and model evaluation (precision, recall, F1).