

# URVASHI VANKAR

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 LinkedIn |  GitHub

Vadodara, Gujarat, India

## OBJECTIVE

AI and Machine Learning Engineer with strong expertise in Python, machine learning, deep learning, and generative AI. Experienced in building, training, evaluating, and deploying intelligent systems using real-world datasets. Passionate about developing scalable AI solutions and applying ML models to solve complex problems.

## EDUCATION

### • Parul University

B.Tech in Computer Science and Engineering (CGPA: 8.0)

2023 – 2026

Vadodara, India

### • Parul University

Diploma in Computer Science and Engineering (CGPA: 8.0)

2020 – 2023

Vadodara, India

## AI & MACHINE LEARNING PROJECTS

### • Brain Tumor Detection System

Python, TensorFlow, CNN, Transfer Learning

2025

- Designed and trained CNN-based deep learning models for MRI image classification.
- Achieved 95% accuracy using data augmentation and transfer learning.
- Evaluated models using precision, recall, F1-score, and confusion matrix.

### • Aqua Guardian – AI-Based Pollution Monitoring

Python, Scikit-learn, ML, APIs

2025

- Built ML models to classify pollution levels from sensor and image data.
- Implemented automated data preprocessing and feature engineering pipelines.
- Enabled data-driven insights for environmental monitoring systems.

### • Generative AI News & Productivity Agent

LLMs, Prompt Engineering, n8n, APIs

2025

- Developed LLM-powered agents to summarize, classify, and prioritize information.
- Integrated automation workflows for scheduled execution and email delivery.
- Optimized prompts for accuracy, relevance, and reduced hallucinations.

### • Amazon Sales Forecasting Model

Python, Pandas, Scikit-learn

2025

- Built regression and time-series models to forecast product sales.
- Performed feature selection and hyperparameter tuning.
- Evaluated performance using RMSE and cross-validation.

## TECHNICAL SKILLS

- **Programming:** Python, SQL
- **Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation
- **Deep Learning:** CNNs, Transfer Learning, TensorFlow, Keras
- **Generative AI:** LLMs, Prompt Engineering, RAG, AI Agents
- **Data Processing:** Pandas, NumPy, Data Cleaning, EDA
- **Model Deployment:** FastAPI, Streamlit, REST APIs
- **Tools & Platforms:** Git, GitHub, Jupyter Notebook, Power BI, n8n
- **Cloud Basics:** AWS, IBM Cloud

## CERTIFICATIONS

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- **IBM** Python for Data Science 2024
- **IBM** Getting Started with AI 2024
- **IBM** Large Language Models 2024
- **AWS Academy** Graduate Cloud Foundations 2025
- **Deloitte (Forage)** Data Analytics Virtual Internship 2024
- **NPTEL (IIT)** Theory of Computation 2024

## ADDITIONAL INFORMATION

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**Languages:** English, Hindi, Gujarati