

# Vineet Rathod

Master of Engineering (M.E.) in Artificial Intelligence and Machine Learning  
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GitHub Profile

LinkedIn Profile

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** Python, SQL

**Libraries :** Pandas, NumPy, Matplotlib, Sklearn

**Big Data Tools:** Apache Spark

**NLP:** NLTK

**Cloud/Databases:** AWS (EC2, S3, Lambda), SQL

**Tools:** Jupyter Notebook, VScode, Git, Github, Google Colab, Power BI, Docker

**Maths:** Linear algebra, Calculus, Probability and statistics

**Soft Skills:** Problem Solving, Self-learning, Adaptability

## EDUCATION

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- **Master of Engineering (M.E.) in Artificial Intelligence and Machine Learning** 2024-Present  
*Chandigarh University* CGPA: 8.29
- **Bachelor of Engineering(B.E) in Information Technology** 2020-24  
*Gandhinagar institute of technology, Gandhinaga* CGPA: 8.63

## EXPERIENCE

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- **Way To Web pvt. ltd , Ahmedabad** Jan - April 2024  
On-site
  - Preprocessed large datasets (cleaning, feature selection) using Pandas and NumPy.
  - Developed ML models, optimized hyperparameters using GridSearchCV.
- **Codetech It solution pvt, ltd , Hyderabad** Dec 2024 - Jan 2025  
Online
  - Developed predictive models using Scikit-learn, improving accuracy by 7%.
  - Performed feature engineering and data preprocessing on real-world datasets.
- **Freelance Data Engineer, Self-Employed** Feb 2025 - Present  
Online

## PERSONAL PROJECTS

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- **TEXT-TO-SPEECH CONVERSION**  
*Develop a text-to-speech conversion application.*
  - It allows user to input text.
  - It generates corresponding audio output.
- **Fraud Detection Using Big Data and Deep Learning**  
*AI-powered fraud detection system that can analyze large-scale financial transactions*
  - Apache Spark → Used for distributed data processing of large transaction datasets.
  - LSTMs → Learn sequential patterns in transaction history.

## CERTIFICATIONS

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- **IBM Machine Learning Specialization** IBM Oct 2024
- **AWS Certified AI Practitioner - Foundational** AWS 2025
- **AWS Certified Data Engineer - Associate** AWS 2025
- **AWS Certified Machine Learning Engineer - Associate** AWS 2025