



# Vivek Raina

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## EDUCATION

### B.Tech (Hons.), Computer Science & Engineering Specialization In ML & AI

Graphic Era Hill University

2019 - 2023

### Senior Secondary (XII), Science

Shikha Niketan Higher Sec. School

2017 - 2019

### Secondary (X)

S.D Tara Puri Public High School

2017

## RELEVANT EXPERIENCE

### Machine Learning Engineer - Qriocity Ventures

January 2024 - Present

- Led a cross-functional team of 7-10 ML and full-stack developers for AI-powered solutions.
- Built YOLO & Custom models for real-time object detection and vision tasks.
- Developed HuggingFace-based NLP models for domain-specific applications.
- Delivered projects in retail analytics (shelf monitoring) and finance (OCR parsing).

### AI Engineer Intern - Relinns Technologies

May 2023 - Oct 2023

- Created a chatbot using ChatGPT-4, LlamaIndex, and Falcon for user support.
- Fine-tuned NLP models to boost chatbot performance and efficiency.

## RELEVANT PROJECTS

### AI Agent for Query Management

Jan 2025 - Apr 2025

- Built an autonomous agent using agentic AI principles.
- Handled dynamic user queries with minimal supervision.

### Multimodal AI Recommendations

Aug 2024 - Dec 2024

- Integrated text and image data for smart content suggestions.
- Used HuggingFace transformers and image encoders.

### News Categorization using NLP and Machine Learning for FlipItNews

Mar 2023 - Apr 2023

- Categorized news articles using ML and NLP techniques.
- Simplified business and finance content discovery for millennials.

### Anime Image Generation using GAN(Generative Adversarial Networks)

Jan 2023 - Feb 2023

- Created anime-style images using GAN architectures.
- Explored generative AI in visual content creation.

### Other Projects - Chat Analyzer, Summarizer, Recommenders

- Created tools for chat insights, text summarization, and price prediction.
- Built Medium article and Netflix data recommenders.

## OPEN SOURCE CONTRIBUTION

### Omdana Berlin Chapter

April 2023 - May 2023

- Open Source Developer/Contributor
- Data Analysis · Computer Vision · Data Science · Machine Learning · Web Scrapping*

## SKILLS

- **Languages & Libraries** : Python, Pandas, NumPy, TensorFlow, Scikit-learn, HuggingFace, Keras, OpenCV
- **ML Concepts** : Classification, Regression, Clustering, CNNs, RNNs, GANs, YOLO, Time Series, System Design
- **NLP** : Chatbots, LlamaIndex, Transformers, Summarization, HuggingFace models
- **Computer Vision** : YOLOv8/v9/v11, Image Segmentation, Object Detection
- **MLOps & Tools** : Docker, Streamlit, Git, API Dev, AWS, Spark MLlib
- **GenAI** : Agentic AI, Multimodal AI, Reflective AI, Synthetic Data, NPUs

## CERTIFICATIONS

- **Deep Learning & Neural Networks with Keras** - IBM
- **Machine Learning with Python** - IBM
- **Software Engineering Virtual Experience** - JP Morgan Chase & Co.
- **Data Science with Python** - Simplilearn