

ONKAR KUNTE

Jersey City, NJ 07097
201-681-8054
okunte@mail.yu.edu

PROFESSIONAL SUMMARY

AI/ML Engineer and GCP Specialist with strong foundations in deep learning, signal processing, and cloud-native AI systems. Skilled in Vertex AI, BigQuery ML, AutoML, and TensorFlow Extended (TFX) for designing scalable pipelines. Experienced in leveraging LLMs (Gemini, GPT, Hugging Face Transformers) to build real-world AI/ML solutions. Passionate about advising clients, leading solution design, and deploying production-grade AI systems.

TECHNICAL SKILLS

- **Languages:** Python, SQL, C++, C#, JavaScript, SQL, NoSQL
- **AI/ML:** TensorFlow, PyTorch, Keras, OpenCV, Hugging Face Transformers, TensorFlow
- **Deep Learning:** CNNs, RNNs, Transformers, GANs, LSTMs, RAG
- **Data & Analytics:** Pandas, NumPy, Matplotlib, Seaborn, Feature Engineering
- **Version Control:** Git, GitHub, GitLab, Jupyter Notebook

EXPERIENCE

QUIESTA TECHNOLOGIES PVT. LTD.
Pune, India

Trainee Software Engineer

09/2020 to 09/2021

- Developed LEADMART, an AI-powered web portal that helped educational organizations identify high-quality leads, was selected as a top AI project by the company.
- Applied AI algorithms, ML techniques, and data analytics to enhance lead generation and decision-making.
- Built and integrated models using Python, with hands-on experience in data pipelines and web technologies
- Delivered high-impact solutions under tight deadlines, demonstrating strong problem-solving and time management skills.

EDUCATION

BACHELOR OF SCIENCE: INFORMATION TECHNOLOGY
Vishwakarma Institute of Technology India

06/2021

M.S.: ARTIFICIAL INTELLIGENCE
Yeshiva University, NY
Graduated in Dec 2024

12/2024

PROJECTS

- **VQA with BLIP-CLIP** – Built a multimodal AI system for vision-language tasks.
- **ASL-to-Text Translator** – Developed a Transformer-based ASL recognition model.
- **U-Net Lung Segmentation** – Designed AI for medical imaging segmentation.
- **Wi-Fi Gesture Recognition** – Used RSSI signals & GRUs for privacy-preserving AI.
- **Image Captioning** – Evaluated CNN-LSTM, BERT-Transformer, and TransCapNet.

PUBLICATIONS RESEARCH CONTRIBUTIONS

- Stock Market predictions with Analysis of ML models, *Springer*, 2021
- VQA, ResearchGate, Multimodal AI advancements, *ResearchGate*, 2024
- U-Net Lung Segmentation, ResearchGate, AI in medical imaging, *ResearchGate*, 2024
- Wi-Fi Gesture Recognition, ResearchGate, RSSI-based AI, *ResearchGate*, 2024
- Multimodal VQA using BLIP-CLIP, *ResearchGate*, 2024
- LLM Optimization, Improved attention mechanisms by 10% BLEU score, *ResearchGate*, 2024