

Aryan Atre

atrearyan@gmail.com | +13527090733 | [LinkedIn](#) | Florida, Usa

EDUCATION

Masters in Artificial Intelligence system University of Florida Gainesville, FL	Aug 2026
Postgraduation diploma in Ai & MI MIT WPU Pune, India	July 2024 GPA: 3.4/4
Bachelors in computer science Sk Somaiya Mumbai, India	Aug 2023 GPA: 3.8/4

SKILLS

Programming Skills: Java, Python, MySQL, Git, Unix, C&C++, JavaScript, MERN stack, PHP and R

Skills: Microsoft office suite, Google suite

Certifications: Amazon Bedrock, DLN and Python with CNN, RNN, NLP, AWS & Azure Cloud Management, Microsoft Azure Fundamentals, Agile Project Management, Cloud Computing & MLOps, SAP with OLAP and OLTP.

PROJECT DESCRIPTIONS

Context based intelligent knowledge retrieval system with Retrieval augmented generation) (GenAI) University of Florida Gainesville Gainesville, Usa	Aug 2024
<ul style="list-style-type: none">Built a Retrieval-Augmented Generation (RAG) system using OpenAI embeddings, Pinecone vector indexing, Flask API, PyPDF2 for PDF processing, OpenAI whisper for audio processing.Integrated multimodal capabilities to handle both text and audio data for enhanced knowledge comprehension. Led end-to-end project lifecycle from ideation to deployment, including development, testing.Leveraged Prometheus and Grafana for operating and monitoring	
Pneumonia Classification with ResNet-50 and Density Analysis SK Somaiya Mumbai, India	Dec 2023
Implemented ResNet-50 for accurate classification and detection of Pneumonia from medical images. <ul style="list-style-type: none">Leveraging deep learning techniques to achieve highly accurate predictions and insights across different regions.Utilized Grad-CAM for visualizing feature importance, identifying density variations, and highlighting key image regions contributing to classification.	

INTERNSHIP EXPERIENCE

Data Strategy & Machine Learning Intern Wpp New York City, NY	June 2025 – Present
<ul style="list-style-type: none">Analyzed large-scale user behavior data using AI-driven platforms to inform \$6B+ strategic decisions for clients like ALDI, blending advanced analytics with business impact.Applied ML techniques such as neural networks and clustering to evaluate behavioral patterns and simulate outcomes, aligning closely with model assessment and iteration workflows.Regularly communicated insights through clear visual storytelling and stakeholder presentations.	
Machine Learning Intern Ernst & Young Mumbai, India	Jun 2024 — Aug 2024
<ul style="list-style-type: none">Utilized machine learning, LLMs, and advanced finance strategies to enhance NLP, accelerating search speed through OCR integration and optimization.Improved compliance tracking for a managed care leader, optimizing resource allocation, enhancing operational efficiency, and reducing costs.Leveraged AWS, LSTM, reinforcement learning, and GenAI to deliver high-performance solutions addressing complex financial and regulatory needs.	
Machine Learning Research Intern Neural Garage PVT LTD Bengaluru, India	Jan 2024 – May 2024
<ul style="list-style-type: none">Developed scalable machine learning pipelines using TensorFlow and PyTorch for seamless deployment of real-time AI-powered lip-sync models, enhancing media production efficiency.Utilized advanced deep learning for precise language and phoneme recognition, enabling accurate and natural lip- syncing in digital avatars and video dubbing applications.Developed real-time detection and anomaly correction (YOLOv8) with Docker and Kubernetes, enabling scalable, reliable, and high-performance AI-driven lip-syncing for interactive and live media application.	