

<div> <div>VENKATESH MUNGI</div> <div>Data Scientist / AI ML Engineer</div> <div> <div> <div>E-mail: venkatesh.mungi.datascientist@gmail.com</div> <div> Linkedln: https://www.linkedin.com/in/venkatesh-mungi-320233258</div> </div> <div> <div>Adress: MRV, Chennai, Tamil Nadu.</div> <div> GitHub: https://github.com/venkateshmungi?tab=repositories</div> <div> Phone: +91 9676079392</div> </div> </div> </div>	
<div>TECHNICAL SKILLS</div> <div> <div>Cloud Skills</div> <div>Azure Machine Learning, AWS Sagemaker, GCP, Git, GitHub, Bitbucket</div> <div>Programming Language & Tools</div> <div>Python-Procedural, OOPs, SciPy, NumPy, Pandas, Statistics</div> <div>Data Analysis & Visualization</div> <div>Python, Seaborn, Matplotlib</div> <div>Tableau, SQL-SMS</div> <div>Machine Learning Tools</div> <div>LLMs, Langchain, LLamaindex</div> <div>Scikit-Learn, PyCaret, TensorFlow, Keras, PyTorch, SciPy, Pandas, Stats mode, Langchain, LLamaIndex, AutoGen, Google Cloud Platform GCP.</div> <div>Generative AI</div> <div>Machine Learning Algorithms</div> <div>Linear Regression, Random Forest, Logistic Regression, Decision Tree, SVM, KNN, K-Means, H-Means, Naïve Bayes, XG-Bosst, LGBM</div> <div>DL Tools & Frame Works</div> <div>TensorFlow, Keras, PyTorch, NLTK</div> <div>Spacy, PyCaret, Gensim, Textblob</div> <div>Deep Learning Expertise</div> <div>OpenCV, Computer Vision, YOLO, Natural Language Processing, ANN, CNN, LSTM, Transformers, FRCNN, BERT, Autoencoders, GANs, LLMs, ChatGPT, Llama 2, Claude 2, Hugging Face, Gemini, Gemma, VertexAI</div> <div>Frontend Integration tools</div> <div>Streamlit, gradio, Flask</div> <div>Web scrapping tools</div> <div>BeautifulSoup, Selenium, Scrapy</div> <div>CUDA-GPU Deep Learning Expert</div> <div> Skilled in training deep learning models with CUDA for faster GPU processing, improving efficiency and performance in both training and using models. </div> </div> <div>SOFT SKILLS</div> <div> <div>Analytical Thinking, Problem Solving, Adaptability, Collaboration, Communication, Time management, Attention to detail, Creativity, Self-motivation, Continuous Learning</div> </div> <div>EDUCATION</div> <div> <div>Master of Science, Andhra University</div> <div>B.Sc. Computer Science, Andhra University</div> </div> <div>CERTIFICATIONS</div> <div> <div>Mendix Radpi Developer-Low code No code</div> <div> <div>Certificate of completion on "Coding for everybody in Python 3x” powered by AttainU (A Unit of Leetu Educational Services Pvt.</div> </div> </div>	<div>SUMMARY</div> <div> <div>As a highly skilled Data Scientist and AI/ML Engineer with 3 years of experience, I specialize in handling large datasets, data acquisition, and applying advanced machine learning techniques. I have expertise in predictive modelling, statistical analysis, natural language processing (NLP), and deep learning, consistently delivering high-impact solutions. With a strong focus on NLP and deep learning, I excel at transforming raw data into actionable insights, driving innovation and business growth.</div> <div>As an AI/ML Engineer, I have experience working with diverse LLM frameworks to tackle industry-specific challenges, continuously staying ahead in a fast-evolving field. My strong analytical skills, coupled with a passion for innovation, position me to contribute effectively to a forward-thinking organization that seeks to leverage data for a strategic advantage.</div> </div> <div>WORK EXPERIENCE</div> <div> <div> <div>Machine Learning Engineer / Software Engineer</div> <div>Inoble Infoway Pvt Ltd, Coimbatore (Client Mahindra & Mahindra)</div> <div>Jan 2024 – Sep 2024</div> </div> <div> <div>Project Title:</div> <div>Intelligent Query Response System for PDF-Based Information and Image Retrieval with 90% Accuracy and 95% User Satisfaction.</div> <div>Description:</div> <div>Engineered a sophisticated Retrieval-Augmented Generation (RAG) chatbot tailored to support engineers, beginners, and users seeking technical clarifications from production manuals. The solution integrates advanced document parsing, extracting content from PDF files and embedding the text into a vector database for efficient real-time query processing. This ensures precise, contextually relevant responses, facilitating seamless interaction. Additionally, the chatbot enhances the user experience by retrieving relevant images based on the queries, achieving an accuracy rate of 90%. The system delivers high accuracy while maintaining a 95% user satisfaction score.</div> <div>Technologies:</div> <div>Python, Langchain, Streamlit</div> </div> <div> <div>Project Title:</div> <div>Customer Call Audio Analyzer Using GCP's Vertex AI to Assess Agent Tone, Communication Skills, and Customer Effort & Satisfaction etc.</div> <div>Description:</div> <div>Built a Python-based solution to analyse customer voice calls, focusing on evaluating the agent’s tone, attitude, and communication effectiveness, as well as the customer’s effort and satisfaction levels. This tool provides actionable insights to optimize agent-client interactions, aiming to enhance communication strategies and improve overall customer satisfaction.</div> <div>Technologies:</div> <div>Python, Google Cloud Platform (GCP), Vertex AI</div> </div> <div> <div>Junior Data Scientist</div> <div>SocialTek AI ML Business solutions Pvt Ltd, Hyderabad.</div> <div>Sep 2021 – Oct 2023</div> </div> <div> <ul style="list-style-type: none"> Successfully collected and extracted data from diverse sources using a range of scraping tools, ensuring data quality and integrity. Conducted thorough data cleaning and wrangling processes to transform raw data into a structured and usable format. Employed advanced techniques for feature extraction and engineering, enhancing the predictive power of machine learning models. Utilized statistical analysis to uncover patterns, correlations, and insights within complex datasets, driving informed decision-making. Developed and implemented machine learning models for various business applications, optimizing performance and accuracy. Fine-tuned machine learning models by adjusting hyperparameters, conducting cross-validation, and employing ensemble methods. Applied natural language processing techniques to extract valuable information from unstructured text data, enabling sentiment analysis, topic modelling, and text classification. Built and fine-tuned deep learning models, including neural networks, convolutional neural networks (CNNs), and recurrent neural networks (RNNs), for tasks such as image recognition and natural language understanding. Collaborated with cross-functional teams, including data engineers and business stakeholders, to deliver data-driven solutions that aligned with organizational goals. Stayed updated with the latest advancements in data science, attending conferences, participating in online forums, and pursuing continuous learning opportunities. Provided technical guidance and mentorship to data science interns, fostering a collaborative and knowledge-sharing environment. </div> </div>