

JAYANTH KOTHAPALLI

 +91 9392833184  [Mail ID](#)  [linkedIn.com](#)  [GitHub.com](#) [My Portfolio](#)  [My YouTube Channel](#)

EDUCATION

NIT Warangal

Bachelors of Science Honours in **MATHEMATICS**

Nov.2022 – Aug.2026

CGPA: 9.22/10.0

NIT Warangal

Minor in Computer Science and Engineering

Nov.2024 – Aug.2026

EXPERIENCE

Generative AI Engineer

May 2024 – August 2024

Fixity Learning Pad

Remote

- Spearheaded development of AI Evaluation Feature from inception, *attracting thousands of CBSE and SSC schools*. Architected subject-wise and class-level analytics, *reducing teacher's grading time by 70 percent and enabling personalized student guidance*.
- Engineered AI-Generated Assignments Feature, incorporating diverse question types such as Assertion Reason, Match the Following and Fill in the Blanks. *Reduced assignment creation time for teachers from 2 hours to 15-20 minutes, a 90 percent improvement in efficiency*.
- Designed and implemented Streamlit application for AI-powered feedback on 3D models, *eliminating 80 percent of manual review processes. Enhanced 3D model accuracy by 95 percent through feedback from domain experts*.

PROJECTS

Jay Fast Foods - NutriNet ChatBot Using Dialogflow | [CODE](#) | [Video Playlist](#)

Feb 2024 – March 2024

- Engineered end-to-end NLP chatbot using Dialogflow, featuring a diverse menu of 9+ Indian and international dishes.
- **Mastered 90 percent** of *Dialogflow* functionality, including intents, entities, and flow-based keyword recognition.
- Developed backend using *FastAPI* and *MySQL*, leveraging FastAPI's speed and built-in data validation features.
- Created a comprehensive *4-video playlist* documenting project development, from conception to implementation. Attracting university students and providing in-depth project guidance. Demonstrated expertise by resolving all student queries, showcasing thorough understanding of chatbot development intricacies.

JaySummBot- Text Summarizer | [CODE](#) | [Video Explanation](#)

Jan 2024 – Feb 2024

- Developed and deployed an end-to-end text summarization project using *Google's Pegasus model* and *Samsung/samsum dataset*, leveraging *Docker*, *AWS EC2*, and *ECR for deployment*, gaining practical experience in ML model implementation and cloud infrastructure
- Enhanced understanding of full project lifecycle including *CI/CD* practices, created *1hr long YouTube video* explaining project components, demonstrating end-to-end flow with deployment.

Kidney Disease Classification (Tumor or Normal) | [CODE](#) | [Video Explanation](#)

Dec 2023 – Jan 2024

- Developed an end-to-end kidney disease classification system using *VGG16*, *implementing modular Python code for data ingestion, model training, and evaluation*
- Integrated *MLflow* and *tracked 5 experiments* and while utilizing *DVC* for streamlined project workflow management
- Deployed the model on AWS *by leveraging Docker, AWS EC2, and ECR*, gaining valuable experience in cloud-based ML solutions and uploaded *1hr long YouTube Video* explaining end-to-end project

TECHNICAL SKILLS

Languages: Proficient in Python, C++, Object-oriented programming

Machine Learning: Linear Regression, SVM, Random Forest, Logistic Regression, Decision Trees, XGBoost, AdaBoost, Ensemble Learning, K-Means Clustering, DBSCAN

Deep Learning: ANNs, CNNs, RNNs (LSTMs, GRUs), Encoders-Decoders, Attention, Transformers

Genrative AI: OpenAI, Claude, Function Calling, Tools, Llama, Gemini flash, Langchain, Groq, RAGs, Fine-Tuning, LLMs

Technologies/Frameworks: Numpy, Pandas, matplotlib, Scikit-Learn, TensorFlow, Keras, Binary-Coded and Real-Coded Genetic Algorithms, Git, GitHub, Google Cloud Platfrom (GCP), Amazon Web Services (AWS) and Streamlit Cloud Platfrom, Machine Learning, Deep Learning NLP, Gensim, NLTK, Transformers, LLMs

CERTIFICATES

- Complete A.I. Machine Learning, Data Science Bootcamp [LINK](#)
- Achieved a score of 800/900 in the Azure AI-900 Fundamentals Exam, showcasing comprehensive knowledge and proficiency in fundamental concepts of Azure AI technologies. [LINK](#)