

Jayanth Kothapalli

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EDUCATION

National Institute of Technology, Warangal

College of Engineering and Sciences

May 2026 (expected)

- Candidate for Bachelor of honors in Mathematics
- Minor in Computer Science and Engineering
- Cumulative GPA: 3.62/4.00

REVELANT COURSEWORK

- Linear Algebra; Modern Algebra; Statistics; Introduction to Artificial Intelligence; Data Structures; Computer Architecture* Operating Systems** Principles of Database Management Systems**

SKILLS

- **Programming & Data Analysis:** Python; C++; SQL; Data Structures; Numpy; Pandas; Matplotlib; Statistics
- **AI & ML :** Scikit learn; Tensor flow; PyTorch; Machine Learning; Deep Learning; Natural Language Processing; Transformers; Large Language Models; Fine Tuning; RAG; Function Calling; Prompt Caching; Batch Proessing;
- **MLOps:** MLflow, Docker, GCP (Cloud Functions, Cloud Tasks, Buckets), Git, CI/CD

RESEARCH EXPERIENCE

Undergraduate Research Scholar

Department of Computer Science, National Institute of Technology Warangal

Winter 2024 - Present

- Advancing in the previous research through exploring multi-task statistical Gaussian modeling.

Undergraduate Research Scholar - [Code](#)

Department of Computer Science, National Institute of Technology Warangal

Fall 2023 – Winter 2024

- Conducted research on detection of psychological stress through social media using deep learning.
- Built single-task and multi-task deep learning architectures and analyzed.
- Achieved 5% F1-Score improvement in stress detection using multi-task CNN architecture.
- Achieved 4% F1-Score advancement in stress detection using multi-task GRU CNN GRU architecture.

INDUSTRY EXPERIENCE

Data Scientist Intern, Hyderabad, Telangana - [Certificate](#)

Fixity Learning Pad

Summer 2024

- Played a pivotal role in developing a state-of-the-art AI-powered subjective paper grading solution; feature saves 70% of grading time for teachers.
- Prompt engineered AI-powered assignment generator with multiple question formats, improving teacher efficiency by 90%
- Implemented prompt caching, batch Processing and reduced the AI evaluation cost by 83.33%.
- Developed Streamlit app for 3D model feedback, achieving 95% accuracy and 80% reduction in review time.

Machine Learning Intern, Hyderabad, Telangana - [Certificate](#)

Feynn Labs Consultancy Services

Spring 2023

- Performed customer segmentation analysis on McDonalds dataset using KMeans and KModes clustering.
- Conducted time-series forecasting on 1,115 rossmann stores using XGBoost and LightGBM.

AI & ML PUBLICATIONS

- Published two blogs named 'Feature Engineering – [Part 1](#)' & 'Feature Engineering – [Part 2](#)'; explained feature transformation techniques like KNN Imputation, Outlier Detection, Feature scaling with practical python examples

SCHOLASTIC ACHIEVEMENTS

- Secured 93.07 percentile in JEE-Mains amongst 1000000+ students nationwide.
- Awarded Institute merit cum scholarship two times for securing higher rank in class.

CERTIFICATIONS

- Azure AI Fundaments – [Microsoft](#)
- Complete AI & Machine Learning Bootcamp – [Udemy](#)

LANGUAGES & EXTRA CIRCULARS

- Telugu – Native | English - Intermediate
- LinkedIn Content Creator – [Profile](#) | Executive member of Big Data and Consultancy Cell, NIT Warangal