Easha Meher Koppisetty

Internship Availability: May 2025- Dec 2025

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EDUCATION

Northeastern University 2024 – present | Boston, United States
Master's in Artificial Intelligence
GPA: 3.267

Vellore Institute of Technology 2017 – 2021 | Vellore, India
Bachelor's in Computer Science
GPA: 8.69

PROFESSIONAL EXPERIENCE

Info Edge (India) Limited Jul 2023 – Dec 2023 | Bangalore, India
Senior Software Engineer

- Helped develop Machine Learning models to detect cheating using Computer Vision and Behavioral Analytics, enhancing the credibility and fairness of the examination process.
- Enhanced exam integrity, reducing incidents of cheating by 40% during online assessments.

Pharmeasy (Threpsi Solutions Private Limited) Jul 2021 – Jul 2023 | Bangalore, India
Software Engineer

- Implemented NLP techniques to automate data extraction from unstructured medical records and prescription notes.
- Improved the accuracy and efficiency of medical information processing, enhancing patient care and safety.
- Awarded **"**Rising Star**"** for outstanding contributions to project success.

TECHNICAL KNOWLEDGE

Programming Languages: Python, Java, R, MATLAB, C++, JavaScript

Developer Tools: IntelliJ, Visual Studio Code, Git, GitHub, Jupyter Notebooks, PyCharm

AI/ML Frameworks: TensorFlow, TF Lite, PyTorch, Lightning, Scikit-learn, OpenCV, Hugging Face

Data Analysis: Pandas, NumPy, SciPy, Matplotlib, Plotly, Seaborn

Big Data: SQL, Pyspark, Kafka, Hadoop

Cloud & DevOps: Google Cloud Platform, AWS, Azure, Watson Studio, Docker, GitHub Actions

Soft Skills: Problem Solving, Adaptability, Mentorship and Leadership, Team Collaboration, Effective Communication and Persistence

PROJECTS

Bayesian Uncertainty Quantification in Medical QA Systems

- Fine-tuned LLaMA, Mistral, and BERT models on the MedQA dataset, achieving a test accuracy of 54% for medical multiple-choice QA.
- Integrated Monte Carlo Dropout to quantify prediction uncertainty, achieving an average entropy of 1.13 for the most reliable model.
- Enhanced fine-tuning efficiency using LoRA, reducing GPU memory usage by 30% while maintaining model performance.
- Conducted a comprehensive uncertainty analysis, providing actionable insights for safer medical AI applications.

Pen to Code: Emulating Shakespeare's Prose through Style Transfer

- Built a robust Copy-Enriched Seq2Seq NLP model using Python and PyTorch to translate modern English to Shakespearean prose with 94% linguistic style accuracy.
- Led data preprocessing efforts, increasing training efficiency by 20% through optimized tokenization and cleaning processes.
- Conducted hyperparameter tuning and achieved a 10% improvement in BLEU score compared to initial model iterations.
- Delivered a scalable and modular codebase with comprehensive documentation, facilitating future enhancements and reuse.

Analyzing Cricket: Shot Recognition & Similarity

- Developed a Machine Learning pipeline to classify cricket batting shots and analyze player styles from video data, achieving 94% classification accuracy using the EfficientNet model.
- Implemented advanced feature extraction techniques and motion analysis to capture subtle variations in player shots.
- Optimized model hyperparameters, improving accuracy by 15% over baseline methods through rigorous evaluation and grid search.