

MUPPIDI RAHUL REDDY

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OBJECTIVE

AI Engineer with experience in developing and deploying machine learning and generative AI solutions. Proficient in Python, PyTorch/TensorFlow, and cloud platforms (AWS). Proven ability to fine-tune LLMs, build scalable APIs, and manage MLOps pipelines. Seeking to leverage expertise in AI to contribute to the development of innovative solutions in the insurance or fintech industry.

EDUCATION

Master of Science in Computer Science, University of Texas at Dallas

Aug '2022 - Dec '2023

Bachelor of Technology in Information Technology, Indian Institute of Information Technology Allahabad Jul 2018 - May '2022

SKILLS

Technical Skills Python, PyTorch, TensorFlow, AWS (S3, EC2, RDS, Lambda, Textract, OpenSearch Service, SageMaker, Bedrock)

EXPERIENCE

Software Development Engineer

Jan '2024 - Present

Applab Systems

Dallas, TX

- Improved information retrieval accuracy by 70\
- Built a highly accurate (95\
- Optimized retrieval precision by 40\
- Integrated GPT-4 with Vision via API calls from AWS compute services to analyze and interpret engineering drawings, enhancing multimodal RAG capabilities and boosting usability by 60\
- Leveraged the GPT-4 API from AWS services for generating accurate, context-aware answers based on technical document chunks retrieved from Amazon OpenSearch Service, showcasing experience in building AI-powered applications.

Machine Learning Engineer

Dec '2021 - Jul '2022

Coral Innovations Pvt. Ltd

Hyderabad, India

- Engineered a Meter Board Reader application using YOLOv5, automating meter reading with 78\
- Improved dataset preprocessing, enhancing pipeline efficiency by 30\
- Implemented data augmentation techniques, increasing model robustness and generalization.
- Fine-tuned object detection models, achieving higher accuracy with optimized hyperparameters.