Tejas Morkar

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SKILLS

Languages: Python, Java, JavaScript, TypeScript
Technologies: LangChain, Llamaindex, Autogen, Semantic Kernel, OpenAI, Gemini, TensorFlow, Spring, MongoDB, MySQL, Git
AI: Deep Learning, CNNs, Large Language Models, GANs, Machine Learning algorithms
Cloud Platforms: Azure, AWS, GCP

WORK EXPERIENCE

COHESITY | Software Engineer II (MTS II) — Pune, India | Dec 2024 - Present

- Collaborating on "GAIA," a cutting-edge generative AI assistant leveraging Retrieval-Augmented Generation (RAG) and LLMs to deliver insights from enterprise backup data.
- Implementing secure, private data integration for customers to facilitate conversational AI interactions.
- Enabling natural language queries for enterprise knowledge discovery.

VERITAS | Associate Software Engineer — Pune, India | Jul 2022 - Dec 2024

- Explored and implemented AI-driven features to solve customer problems using LangChain, Llamaindex, and Azure OpenAI GPT models.
- Developed chatbot solutions, automated tasks, and predictive analysis pipelines.
- Worked with modules of NetBackup and Alta View, focusing on Java, Spring Boot, and WebSockets.

PTC | Information Security Intern — Pune, India | Aug 2021 - Jun 2022

- Managed live cybersecurity incident investigations and developed tools using vendor APIs.
- Performed threat hunting, vulnerability assessments, and infrastructure scripting.

CDAC | ML Software Developer Intern — Mumbai, India | Sep 2020 - Mar 2021

- Researched adversarial ML techniques and built fake news detection models using BERT and GRU-based RNNs.

PROJECTS

ALTA COPILOT — LangGraph, LLMs, Azure, Arize Phoenix

An LLM-based agentic framework using LangGraph to address user queries on help, report generation, and autonomous data protection. The multi-agent system includes RAG, NLP-to-SQL, and decision-making agents. Responsible for implementing the LangGraph framework from scratch and developing LLMOps evaluation pipelines and observability.

CONDITIONAL GANS | SKETCH TO COLOR IMAGE GENERATION — Python, GANs, Deep Learning

Developed a conditional GANs model that accepts a 256x256px Black and White Sketch image and generates a colored version of the image without knowing the ground truth.

CERVICAL CANCER DETECTION — DeepLearning, TensorFlow, GCP

A Deep Learning based responsive web platform for cervical cancer detection and patient-doctor interaction. We achieved top in the class accuracy in classification of cervical cells in Pap smear images using transfer learning.

EDUCATION

Pimpri Chinchwad College of Engineering, Pune — Pune, India | 2018 - 2022
Bachelor of Engineering in Computer Science
9.51 CGPA with Honors in Artificial Intelligence and Machine Learning

EXTRACURRICULAR AND VOLUNTEERING

1. ex-Technical Author - ACM XRDS Magazine
2. ex-Microsoft Learn Student Ambassador
3. Management Head - Google DSC PCCoE 2020-21
4. Technical Head and Webmaster - PCCoE ACM Student Chapter 2020-21