Chennai, TN
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TARADEPAN R
AI ENGINEER

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GitHub Portfolio X Blogs

EDUCATION

Dr. M.G.R. Educational And Research Institute   **Expected 2025**
B.tech Computer Science – Data Science and AI

Trinity International School (CBSE)   **2019-2021**
All India Senior School Certificate Examination (12th)

SKILLS

Programming Language	Python, JavaScript, TypeScript, Html/CSS, C++
Frameworks/Tools	Next Js, Langchain, Tensorflow(Keras), CrewAI, Flask
Database	MySQL, MongoDB, ChromaDB, Neo4j
Cloud Technology	IBM Cloud, Google Cloud Platform, Azure

EXPERIENCE

- **BACKEND GENAI ENGINEERING INTERN - FIXITAI**   **JAN 2024 - MARCH 2024**
  - Engineered GenAI integration with the backend team, enhancing system performance by fixing bugs and adding new features.
  - Utilized tools like OpenAI's GPT-3.5, ChromaDB, and FastAPI to streamline processes and improve efficiency.
- **DEVELOPER INTERN - OPPDOOR**   **APRIL 2024 - JULY 2024**
  - Built RAG system leveraging some of the state-of-the-art Large Language Models from OpenAI like GPT-4o.
  - Served as the solo GenAI developer in the team utilizing various frameworks and tools like Langchain, LlamaIndex and cloud services.

PROJECTS

- **Agentic RAG System**
  - Oftentimes we don't need our RAG system to perform Vector Search because the answer might not be present in our Database and we need to perform Internet Search or maybe LLM is trained on that data and can answer without referring to any context.
  - It can be solved using an Agentic RAG system, which can be built using Function Calling with LLMs like OpenAI's GPT-4o-mini and internet searching libraries like DuckDuckGo.
  - This reduces the cost of converting input text into embeddings and provides a more reliable and accurate answer compared to Vanilla RAG.
- **GitHub Readme Bot**
  - Developed a private bot that automates the generation of README files for GitHub repositories using large language models from Groq.
  - Built using Python, FastAPI, and PyGithub to streamline repository documentation.
  - Hosted on Heroku. Currently **active** and working on some of my repositories.

INTERESTS

- Have been invited as a Speaker at multiple tech communities around Chennai to give talk sessions on topics related to Large Language Models, AI Agents, etc.
- Creating content on Topics related to LLMs and AI Agents on Youtube and Instagram as "**AIxDevs**".

COMMUNITY CONTRIBUTIONS

- **Former Google Developer Student Clubs (GDSC) Lead**
  - Founding Lead for the Google Developer Student Clubs at our Campus (2023-2024).
  - Managed a community with more than 400 members and led a team of 20+ members.
  - Organized multiple technical sessions and events to grow my community.
- **Microsoft Learn Student Ambassador (MLSA)**
  - First Microsoft Learn Student Ambassador at our campus.
  - Conducted various workshops on GitHub and helped others getting started in tech.