Adithyan K

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EDUCATION

Manipal Institute of Technology   Bengaluru, India
*B.Tech in Computer Science and Engineering - **CGPA: 8.36***   *Sep. 2022 – present*

EXPERIENCE

AI Product Development Intern   June 2025 – July 2025
QpiAI   *Bengaluru, India*
- Developed internal tools and PoC use cases on QpiAI's Agent Hive platform, focused on agent-based automation for lead intelligence and outreach.
- Delivered a complete sales support agent used internally, resulting in measurable improvements in research efficiency and outreach personalization.
- Built user-friendly interfaces and supported deployment of agent workflows.
- Integrated state-of-the-art LLM APIs and internal SLMs to enable dynamic enrichment, scoring, and content generation.

Full Stack Developer Intern   June 2024 – July 2024
Messen Labs   *Remote*
- Designed and implemented a license management website for a company specializing in AI simulation software, enabling monitoring and management of client licenses.
- Developed CRUD features for licenses and clients, integrated alerts for expiring licenses, and provided CSV export functionality for license data.
- Implemented a three-tier user privilege system, including read-only, full CRUD, and superuser access levels, allowing comprehensive user management and data protection.
- Dockerized the Next.js app and PostgreSQL database using Docker Compose, and deployed the services on a Google Cloud VM for reliable and scalable hosting.

PROJECTS

Metafog.io – Decentralized AI Search Platform | *NextJS, Docker, Nginx, Ollama, LlamaIndex*   Live Link
- Built a decentralized search platform combining real-time web crawling and LLM-based summarization.
- Designed and implemented the entire stack — frontend, backend, and provider infrastructure with scalable Docker and Nginx architecture.
- Developed a fast, resilient API for search and summarization across distributed nodes.

BiasBalance | *Python, Pydantic, Streamlit, OpenAI API, Docker, GitHub Actions*   Live Link
- Built a Streamlit-based web application to detect dataset bias and augment data, utilizing statistical tests and OpenAI API for intelligent augmentation
- Created an intuitive interface with interactive visualizations to analyze bias and variable independence in datasets.
- Automated CI/CD pipeline by integrating GitHub Actions to build Docker images and push them to Docker Hub.
- Integrated CSV export functionality for augmented datasets, simplifying data accessibility for end users.

BunkBetter - Attendance Tracker | *MongoDB, ExpressJS, ReactJS, NodeJS, JWT,Vite*   Live Link
- Launched a comprehensive attendance tracking website for students, achieving 90% user satisfaction.
- Built with the MERN stack, including JWT authentication for secure access.
- Deployed on Vercel, ensuring scalability and reliability.

SKILLS

Languages: C, Python, JavaScript, HTML, CSS, Java, SQL

Frameworks: React, Next.js, Express.js, Node.js, Zustand, Drizzle ORM, LangChain, AutoGen, Typer, Rich, Streamlit

Databases: PostgreSQL, MongoDB

Developer Tools: Git, Docker, Docker Compose, Google Cloud Platform, Vercel, Vite

Soft Skills: Effective Communication, Team Collaboration, Problem Solving, Adaptability