Venkata Sai Yakkshit Reddy Asodi

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Summary 🔗

Full-stack Engineer with deep expertise in AI/ML technologies, specializing in building scalable applications using modern frameworks and LLMs. Proven track record in developing end-to-end solutions, from RAG systems to responsive frontends. Passionate about leveraging cutting-edge technologies to solve complex business challenges, with experience in both startup and enterprise environments.

Technical Skills 🔗

Frontend - React, Next.js, TypeScript, HTML5, CSS3, UI/UX Design.
Backend & AI - Python, FastAPI, LLMs, RAG, Jupyter Notebooks, Docker.
Cloud & DevOps - Azure, AWS, Vercel, Kubernetes, CI/CD.
Databases - PostgreSQL, MongoDB, Vector Databases, Redis.

Experience in

Circleup AG 🏢   December 2023 – July 2024

Lead Full Stack Engineer   📍 *Zurich, Switzerland*

Responsibilities:
- Architected and implemented end-to-end AI solutions using LLMs and RAG, creating scalable document processing pipelines and recommendation systems while ensuring seamless integration with frontend applications.
- Led the development of a modern tech stack combining Next.js frontend with Python/FastAPI backend, deploying microservices on Azure cloud and implementing CI/CD pipelines for automated testing and deployment.

Environment: *Next.js, TypeScript, Python, FastAPI, LLMs, RAG, Azure, Docker, PostgreSQL.*

Cedzlabs 🏢   March 2023 – July 2024

Full Stack AI Engineer   📍 *India.*

Responsibilities:
- Developed AI-powered document processing systems using custom RAG pipelines and LLM integrations, while building intuitive user interfaces for complex data visualization and interaction.

Environment: *Python, FastAPI, React, LLMs, Docker, AWS.*

Checkout my other experiences by clicking here

Projects ○

Document Processing Pipeline | *Azure, FastAPI, Next.js*   **2024**
Description:
- ∗ Built an enterprise-grade document processing system using RAG and LLMs for automated information extraction and analysis. Implemented a scalable architecture handling multiple document formats, custom RAG pipelines for context-aware processing, and a Next.js frontend for real-time document visualization and editing.

Tools: *Python, FastAPI, Next.js, LLMs, RAG, Azure, Docker, PostgreSQL.*

AI Agent Framework | *Python, FastAPI, LLMs*   **2023**
Description:
- ∗ Developed a modular AI agent framework for automated task execution, featuring custom LLM integration, advanced prompt engineering, and sophisticated evaluation metrics. Implemented concurrent processing and robust error handling for production deployment.

Tools: *Python, FastAPI, LLMs, Docker, Redis, PostgreSQL.*

Achievements / Extracurricular / Contributions

- · Contributed to open-source LLM projects, focusing on RAG implementations and evaluation frameworks.
- · Led technical workshops on AI integration in modern web applications.
- · Active participant in AI and full-stack development communities, sharing knowledge through tech talks and blog posts.

Strengths : *Full-stack development, AI/ML expertise, system design, technical leadership.*
Languages: *Telugu - Native | English - Fluent | Hindi - Fluent | German - Elementary | Swedish - Elementary.*