

Rohith Reddy Odiseri

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EXPERIENCE

Software Engineer Intern

Tomorrows AI

Sep 2024 – present

Washington, DC

- Developed AI-driven marketing strategies to improve client competitiveness
- Used Python and Selenium for data scraping, generating actionable insights
- Leveraged AWS and SQL for scalable data storage and analytics
- Contributed to open-source projects and collaborated with developers on GitHub, enhancing community-driven software solutions and sharing expertise in AI and web development.

Software Engineer Fellow

Headstarter AI

July. 2024 – Sep 2024

Long Island City, NY

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Worked in a team of 3 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base
- Collaborated with 3 Fellows to build a SaaS product that generates dynamic flashcards based on any topic using the OpenAI's Chat Completions API, integrated a paywall and custom pricing plans using the Stripe API
- Implemented a web scraper that automatically extracts data from Rate my Professor and upsert to a Pinecone index, integrated with a RAG pipeline using LangChain and OpenAI GPT-4o to get up-to-date and relevant answers to user queries
- Participate in sessions with engineers from Google, Y Combinator, Stanford, Amazon and venture-backed startups

PROJECTS

SmartFarmingAssistant | *TypeScript, React Native, React, Material-UI, Yarn, Node.js, AWS, Expo, Java, Spring Boot, PostgreSQL, 2*

- * Built a cross-platform Smart Farming Assistant using React and React Native
- * Achieved 95% model accuracy for plant health detection using TensorFlow, OpenCV and Flask
- * Reduced API response time by 30% through an optimized backend using Spring Boot and PostgreSQL
- * Deployed the application on AWS, enabling real-time analysis with 99.9% uptime for web and mobile clients

StockLink | *JavaScript, Next.js, React, MUI, Node.js, Firebase, OpenAI, TradeView API*

July 2024

- Developed STOCKLINK, a Stock Research AI Assistant for real-time stock data visualization and Assistance
- Integrated real-time stock charts using TradeView API, rendering specific stock data based on OpenAI Chat Completions responses
- Implemented a system where AI responses provide ticker symbols in JSON format, parsed and dynamically displayed on the stock chart
- Leveraged Zustand for state management across multiple pages to access of useStates
- Utilized a custom solution with dangerouslySetInnerHTML to render clickable ticker symbols in AI responses, allowing users to view updated stock charts during or after conversations

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Typescript, SQL, HTML, CSS, C programming, C++, C.

Frameworks: React, Node, Yarn, Spring Boot, React Native, Next.js, Express.js, Firebase, Pinecone, Open AI, Stripe API, Clerk, Django, Flask, WordPress, Material-UI, AWS

Developer Tools: Git, Postman, Insomnia, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Tensorflow, OpenCV

EDUCATION

University of Nebraska - Omaha

Bachelor of Science in Computer Science

Omaha, NE

Jan. 2023 – May 2026