K. SIDDANTH REDDY

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WORK EXPERIENCE

Backend Developer (Internship) - Maxint, Inc.   Sep 2024 - Present
- Implemented budget logic by creating postgres views to analyze user transactions and identify recurring bills.
- Developed a transaction categorizer using an DeBERTa zero shot classification model, fine-tuned it with transaction dataset, and deployed it on an AWS sagemaker inference.
- Developing a RAG chatbot from scratch using (sqlcoder-7b, llama 3.1, bge-large-en) for user queries related to their transactions and offers by generating SQL queries and matching embeddings
- Actively working on developing new features and integrating AI into the maxint app

Full Stack Developer (Contract) - NoMoreDe   Jul 2024 - Sep 2024
- Developed frontend dashboards using Next.js by utilizing latest libraries(shadcn, react-hook-form, framer-motion,TailwindCSS). Avaliable on nomorede.com
- Collaborated with backend developers for designing and integrate APIs and deployed frontend website on GCP ensuring production-readiness and performance optimization

Frontend Developer (Internship) - ONBO   Aug 2023 – Dec 2023
- Refactored and migrated the codebase from a traditional component based structure to a MVVM architecture, enhancing maintainability and collaboration for future development.
- Worked on modern web technologies like Svelte and TypeScript

PROJECTS

VercelLite   View on GitHub
- Developed a Vercel like platform, VercelLite for automated frontend react website hosting. where users submit their GitHub repository URL of react and get the Hosted public url.
- Implemented a microservices architecture using Node.js, Docker, and AWS services (ECR, ECS, S3).
- Designed and built an API server that manages project deployments, interacts with AWS ECS to spin up containers, and utilizes Redis for real-time logging.
- Created a reverse proxy server to handle the routing of user requests to the appropriate files in the S3 bucket and Incorporated real-time communication using Socket.io for live build logs.

PropX   View on GitHub
- PropX, a decentralized platform where real estate properties are tokenized using NFTs, enabling fractional ownership and increasing market accessibility.
- Developed core smart contracts in Solidity to power property listings, transactions, and ownership management on the Ethereum blockchain.
- Integrated blockchain functionality with the platform's frontend (React.js) to enable user interaction with the decentralized marketplace.

CCTV Footage Optimization   View on GitHub
- Developed a CCTV footage summarization tool, which summarize hours of footage shot by static CCTV cameras into a short clip that shows all events as if they're occurring concurrently with timestamps
- Implemented object tracking to detect and associate moving objects across frames, ensuring temporal continuity and accurate event detection.
- Created an workflows by overlaying tracked objects with timestamps and compiling annotated frames into short, efficient video outputs.

EDUCATION

2022 - 2026 | Jaypee Institute of Information Technology - Sector 62, Noida (India)

Bachelor of Technology (B. Tech.) - Computer Science Engineering

SKILLS

- HTML, CSS, Javascript/TypeScript, C/C++, PHP
- React, Next.js, Svelte, TailwindCSS, Node.js, SQL/PostgreSQL, MongoDB, Redis
- Docker, AWS, CI/CD, Git/GitHub
- Python (Pandas, NumPy, Scikit-learn, Matplotlib)

VOLUNTEERING

- **Teaching Assistant -** 100xDevs for Web Development Cohort-2
- **Core Team Member –** GDSC JIIT-62 (Google Developer Student Club)
- **Core Team Member –** OSDC (Open Source Developers Club)