Manas Nagelia

+1 (667) 405-7690 | manas.nagelia@gmail.com | linkedin.com/in/manas-nagelia | github.com/Manas-Nagelia

EDUCATION

Eastern Technical High School   Essex, MD
Magnet: Information Technology Networking   *Class of 2027*

EXPERIENCE

Schoolhouse   Sep. 2023 – Present
Co-lead of AI Special Operations
- Leading a 13-member team at a non-profit organization to develop a browser extension powered by AI, with over 95% of users surveyed expressing interest
- Recruited, held meetings, assigned tasks and deadlines, and set expectations for the team resulting in high team productivity & the completion of over 25 tasks ahead of schedule

PSC Houston Oilfield Supplies LLC   Jan. 2024 – Jan. 2024
Web Developer
- Designed and built a business website using WordPress, incorporating responsive design & SEO best practices to rank #1 on Google
- Successfully launched the website, attracting over 1,000 visitors per month and significantly increasing customer engagement

Garden Playhouse Daycare   Oct. 2022 – Jan. 2023
Web Developer
- Designed, programmed, and launched a daycare website using Next.js receiving over 600 visitors per year
- Built an admin center for the website with data stored in PostgreSQL using Supabase as the BaaS allowing the admin to update the site's content dynamically

PROJECTS

Backboard Stats | *Python, Flask, Next.js, PostgreSQL, Tailwind, Git*   Dec 2023 – Present
- Co-founded & developed a full-stack NBA web application using Next.js with Flask serving a REST API with React as the frontend
- Implemented intermittent caching and revalidation strategies to optimize performance, achieving a 100% increase in efficiency compared to initial metrics
- Used Supabase as the BaaS, for the PostgreSQL database & for authentication
- Developed a mobile app using React Native and used Framer Motion for sleek animations
- Deployed serverless functions for the REST API & a cron job onto Google Cloud

Financial Market Simulation | *Python, Pandas, PyTorch, Git*   Jan 2024 – Present
- Developing a sophisticated financial market simulation for research purposes, where AI agents trade stocks and compete against each other, enabling the analysis of trading patterns and strategies in Python.
- Implementing reinforcement learning algorithms for AI traders using PyTorch, allowing them to continuously refine and enhance their trading strategies based on performance feedback and market conditions.

ChatMe | *Next.js, PostgreSQL, Redis, Supabase, Git*   Jan 2022 – April 2022
- Designed in Figma the home screen, authentication, profile, and chat pages of a chatting website
- Implemented the design by developing the chat app in Next.js with React.js in the frontend and Node.js in the backend
- Implemented magic-link-based authentication using Supabase BaaS, enabling users to securely sign in, choose their display name, and upload a profile picture seamlessly.
- Architected and implemented a robust data storage system by using PostgreSQL to store all chats and messages securely, and integrated Redis as a caching layer to enhance application speed.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C#, Java, SQL, HTML/CSS
Frameworks/Libraries: React, Node.js, Next.js, Nest.js, Flask, WordPress, Material-UI, FastAPI, pandas, NumPy, Matplotlib, scikit-learn, PyTorch
Tools: Git, Docker, Google Cloud Platform, Vercel, VS Code, Visual Studio, PyCharm, IntelliJ, Tableau, Redis, PostgreSQL, MySQL, MongoDB, JSON, Microsoft & Google Products