

Suyash Nagumalli

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AI Software Engineer generalist with 2+ years of experience building production-grade LLM applications, full-stack systems, and user-centric tools at corporations and startups. Proficient in Python, SQL, AWS and modern AI/ML stacks. Delivering scalable, intelligent, intuitive products with industry-standard design thinking and security best practices. Self-starter and hard worker. Graduated from a top 5 CS school in USA.

SKILLS

Languages: Proficient: Python(7yrs), SQL(4yrs), TypeScript/JavaScript(1yr), C++(1yr) Intermediate: C#(1yr), Java(1yr), Swift(1yr), Go(1yr)
Technologies: MCP, Claude Code, AWS, GCP, Docker, Git, Jenkins CI/CD, Postman, Agile, Jira, HuggingFace, TensorFlow, PyTorch, NumPy, Pandas, SQL, Supabase, Neo4j, ELK, ElasticsearchDB, FastAPI, Streamlit, React, Angular, Flutter, Swift, Unity, VR, Figma

EXPERIENCE

AbbVie	Chicago, IL
AI Software Engineer	Aug 2023 - Present
<ul style="list-style-type: none">Building fullstack React+Vite genAI tool using Figma MCP, Claude Code, AWS to 2x accelerate clinical breakthroughsShipped a prompt management FastAPI+ElasticsearchDB+Streamlit+AWS web app leading to \$2 million contract with vendorLed a cross-functional design initiative with UI/UX experts and vendor's engineers, delivering to 10000+ AbbVie employeesCreated Neo4J knowledge graphs and vector indexes and improved the RAG system with Graph RAG by 26% Rouge-L accuracyDeveloped a dual-LLM chatbot that supports multi-prompting, saving 30 secs per query, boosting daily productivity by 50 minutes(part-time during schoolyears and breaks, full-time starting May 2025)	
AbbVie	Champaign, IL
VR Software Engineer - Contractor	Jan 2023 – Jul 2023
<ul style="list-style-type: none">Built a VR module for doctors to converse with eight underrepresented AI patients, used in DEI training by 10+ cliniciansOptimized LLM response generation pipeline, reducing latency from 7 seconds down to 800ms(Part-time during schoolyears and breaks, full-time during summer 2023)	
Beulr	Remote
Frontend Software Engineer – Contractor	Dec 2021 – Apr 2022
<ul style="list-style-type: none">Developed and shipped the full calendar list view in ReactJS to enable Zoom bot scheduling for 92,000 active usersBuilt under tight deadlines in the lead-up to the CEO's Shark Tank pitch supporting traffic surge after 1.5M+ views	
Showingly	Denver, Colorado
Software Engineer Intern	Jun 2021 – Aug 2021
<ul style="list-style-type: none">Designed and built a CRM using ReactJS, MongoDB, and Agile methodology, for managing 1000+ MLS agent recordsLearned React-Redux, Git, Scrum, and coding best practices and submitted 12 Pull Requests as a freshman intern	

PROJECTS

Spndmate.com	Aug 2025 - Present
<ul style="list-style-type: none">SMS AI Automation Agent for detailed expense tracking and chatbot-like question answering MVP in Beta releaseBuilt using Twilio, Supabase, Python, Cursor, OpenAI API, Google Sheets API, Google Auth	
Stealth Startup	Jun 2025 - Present
<ul style="list-style-type: none">Built a zero-to-one iOS social app using Swift, FastAPI, Supabase, and AWS; released via TestFlight for Beta releaseLeveraged Cursor AI Code Editor; 64,449 lines of agent edits; rapidly shipped Auth, Posts, Likes, Friends, Search, under 4 weeks	
Improving RAG Retrieval methods LLM post pre-training CS 598 Project (~70 hours) link	Oct - Dec 2024
<ul style="list-style-type: none">Comprehensive literature review, explored limitations, proposed hybrid retrieval approach combining CDE and graph RAGPreliminary results show graph RAG (2024) outperforms CDE (2024) and RAG (2020) by 30% on Rouge-L F1 score	
Considerthis.ai UC Berkeley AI Hackathon (~30 hours) link	Jul 2024
<ul style="list-style-type: none">An emotionally intelligent multi-agent conversation tool used by educators to empower students to stay curiousBuilt using Supabase, Hume.ai, reactJS to successfully collaborate with UCBerkeley, UWashington and CUBoulder students	
Spotify LED Controller Internet of Things CS 437 Project (~30 hours) link	May 2023
<ul style="list-style-type: none">Program to sync LED lights to song playing on Spotify, enhancing user immersion; successfully tested with 30+ songsWritten in Go on Raspberry Pi; uses Spotify API, Bluetooth, and a custom album-art based coloring algorithm	

EDUCATION

University of Illinois at Urbana-Champaign	
Master of Computer Science	
Bachelor of Science in Computer Science with Honors	
<u>Relevant Coursework:</u> Data Structures, Algorithms, Machine Learning, Deep Learning, Software Engineering, LLM post pre-training, Artificial Intelligence, UI Design, Database Systems, CUDA Programming, Computer Security and Networks, Internet of Things, Compilers	

ACTIVITIES

Emergent Abilities of LLMs papers / Led 90-minute presentation and discussion of two papers with 10 LLM researchers	2024
Python Private Tutor / taught Python basics to three sixth graders; Received positive feedback and praise from parents	2024
Engineering Open House Volunteer / strong leadership skills in engaging 50+ middle-schoolers and parents	2024
First place Hackathon Winner / PowerBI & Data Analytics project with AbbVie / ~50 competitors	2024
Athletics / Ran three half-marathons with a PR of 2:14 hours / perseverance and consistency of training	2024