Om Kamath

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WORK EXPERIENCE

Cody AI   August. 2023 – Present
i. AI Solutions Architect and Support Engineer
Remote (NYC, New York)
- Architected and launched 2+ production-ready APIs and feature prototypes, slashing development-to-deployment time by 50% and accelerating product rollout
- Resolved 4,000+ complex technical support tickets with a 92% customer satisfaction rate.
- Pioneered advanced prompt engineering strategies, including Chain-of-Thought and Few-shot learning, resulting in a 70% improvement in AI model accuracy and response quality
- Streamlined communication between technical teams and the C-suite by translating business requirements into comprehensive technical specifications, reducing development iterations.

ii. Freelance Technical Writer   June. 2023 – August 2023
Remote (NYC, New York)
- Authored 20+ high-impact technical articles on Retrieval Augmented Generation (RAG), Large Language Models, and AI frameworks, reaching over 2000 platform users.
- Strategically optimized content with data-driven SEO research, resulting in a 15% increase in organic traffic and achieving top 3 Google rankings for target keywords
- Revamped help-center documentation architecture, reducing customer support inquiries

VFS Global   Dec. 2022 – April 2023
i. Data Engineering Intern
On-site (Mumbai, India)
- Worked on production databases using SQL and VMs.
- Spearheaded early-stage ideation and prototypes for AI digital transformation.
- Employed NLP techniques and Python automation to predict SKU codes based on product descriptions reducing manual efforts by 30%.
- Scraped all VAC (Visa Application Centre) addresses from the websites using Selenium.

Medium Writer   Jan. 2021 - Present
- Over 1300 followers and 100,000 views on technical blogs and tutorials.
- Featured on the Google Cloud Medium Publication as the 'Most Viewed' article in August 2024.
- Published my work in top medium publications such as The Startup, Level Up Coding, Google Cloud, and Geek Culture.

Notes4Every1   Jan. 2020 - Present
Founder
- Established a comprehensive online platform offering free, accessible engineering resources.
- Supported over 40 students in improving their academic performance and achieving higher grades.
- Curated and organized content to meet diverse learning needs, fostering a supportive community.

EDUCATION

Cornell Tech (Cornell University)
August 2025 – May 2027
Dual Masters of Science in Applied Information Science and Information Systems
New York, NY
- 3.84/4.0 GPA
- Specialization in Connective Media

Mukesh Patel School of Technology Management and Engineering, NMIMS University
June 2019 – May 2025
Diploma+B.tech, Computer Engineering
Mumbai, India
- 3.84/4.0 GPA
- Specialization in Artificial Intelligence

SKILLS

Technical Skills
- **Python** - FastAPI, Streamlit, MongoDB, Pandas, Numpy, Tensorflow, Scikit-learn
- **SQL** (Structured Query Language)
- **Microcontrollers** - Micropython, Arduino
- **Javascript** - HTML, CSS for web development
- **C++, Java**

Professional Skills
- Presentation - Microsoft Powerpoint, Google Slides, Apple Keynote
- Technical Writing
- Creative Writing

Extra Curricular
- Certified Photographer with 2M views on Unsplash
- District-level Swimmer
- Passionate Runner and Cyclist

PROJECTS

Software
AI Writing Wizard (In association with Cody AI)
- Built a PoC for a content generation pipeline using Streamlit and OpenAI's GPT-4 API
- Integrated Exa neural search for dynamic context enhancement, enabling real-time web data incorporation
- Delivered end-to-end solution converting user inputs to full articles for a marketing client automating 90% of the existing pipeline.

Financial News Sentiment Analysis (In association with Cody AI)
- Engineered real-time sentiment analysis API processing Yahoo RSS financial feeds via GPT-4
- Implemented custom scoring algorithm for quantitative sentiment analysis
- Deployed production-ready FastAPI solution to Railway with 24-hour turnaround

Hardware
Hand Gesture Recognition using Machine Learning (Personal Project)
- Used Arduino RP2040 with Edge Impulse ML model to implement hand gesture recognition system
- Created custom ML model for real-time letter recognition with serial monitor output
- Featured by official <u>Arduino social media</u> (4000+ Medium views, LinkedIn & Twitter features)

Blind Spot Monitoring System (Personal Project)
- Engineered Arduino-based collision prevention system using HC-SR04 sensor and RGB LED strip.
- Implemented real-time distance monitoring with ambient lighting feedback
- Featured in 'Best Beginner Arduino Projects 2024' (hackr.io) and 'Cool Arduino Projects' (All3DP)