

Saurabh(Sunny) Jayaram

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WORK EXPERIENCE

Supermark.ai (Startup) - *Founding Fullstack Engineer*

June 2023 - Present · San Francisco, CA

- Developed a containerized Python REST API backend using Docker and FastAPI + React frontend
- Designed and built Chrome Extension in pure HTML/CSS/JS that calls backend with JS Fetch API
- Managed a Github repo with multiple people committing to it, executing branching, rebasing, and merging
- **Relevant Skills: Product Ideation Using Modern Technologies, Vector Database/Vector Search, Prompt Engineering, Git/Github, FastAPI, React, Containerized APIs with Docker, Chrome Extension Development**

AI Engineers Dev (Internship) - *Software Engineering Intern*

June 2023 - Present · Remote

- Developed Themu, an SDK for leveraging generative AI in modern Web Development Frameworks such as React
- Built scalable containerized backend REST API using Docker, FastAPI, Python and deployed on Azure VM
- Rate Tested backend reliability for up to 70,000 users and 1,500 requests per/s with 0% failure rate
- **Relevant Skills: Locust API Load Testing, Backend Deployment, Cloud Computing, Scalable Systems**

HONORS AND AWARDS

1. \$5000 LanceDB Prize @ AI x Product Hackathon SF (2023) - <https://devpost.com/software/bookmark-ai>
2. Best New Technology Hack @ CruzHacks by UCSC (2023) - <https://devpost.com/software/openrx-v8whuo>
3. Best Solo Hack @ Los Altos Hacks VII (2023) - <https://devpost.com/software/caloriesnap>
4. The Most Polished Project Award @ Assemble by Hackclub SF (2022) - <https://youtu.be/WgI4230d0FA>
5. [BACF Special Award for Music Performance](#) (2023)
6. #2 For Best Overall Project @ Tri-Valley Hacks (2022)
7. National Merit Commended Scholar (2021)

PROJECTS

[OpenRx](#) - Best New Technology Hack @ CruzHacks by UC Santa Cruz 2023

- Led a team to design and develop a custom CRUD app for prescription management, featuring a photo scanner that leverages Computer Vision and LLM AI to automatically log prescriptions
- **Relevant Skills: Next.js, React.js, UI/UX design, Azure Cognitive Services, TailwindCSS, Firebase No-SQL, OpenAI LLM API, Asynchronous API calls in JavaScript, Prompt Engineering**

[Next.js + Flask + PyTorch AI Security Server](#)

- Implemented a local surveillance server that monitors RTSP streams from my home's IP cameras
- Fine tuned image classification CNN using PyTorch for person detection, utilizing data ingestion pipelines, transformations, augmentations and data loaders, trained on cloud GPU's in Azure ML studio
- Integrated custom backend API in Flask with React & Nextjs frontend that displays AI video analytics
- **Relevant Skills: PyTorch, Flask, Azure ML Studio, Cloud Computing, REST API Development, Internet Protocols, FFMPEG**

[Sound Waves and Music: a Visual Explanation](#) - <https://youtu.be/WgI4230d0FA>

- Won "THE MOST POLISHED PROJECT" @Assemble Hackathon (2022)
- Mathematical Animations in Python to explain concepts of signal processing, sound waves, and music
- **Relevant Skills: Linear Algebra, Python, Docker, Jupyter Notebook, Sound Engineering**

EDUCATION

1. Computer Science - DVC (2023-2025) → UC or CSU transfer to pursue B.S in Computer Science (Graduating 2027)
2. California High School (2019-2023) - 4.14 WGPA

SKILLS/TOOLS

- Programming Languages: **Python, JavaScript, HTML/CSS, Java, TypeScript**
- Machine Learning/Data Science: **PyTorch, OpenCV, NumPy, Pandas**
- Tools/Frameworks: **React.js, Node.js, Azure, Next.js, Git, TailwindCSS, Spline3D, Docker, Flask, FastAPI**
- Databases: **Firebase, MySQL, Pinecone Vector DB, LanceDB**