

ANIRUDH KRISHNA

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Education

University of California, Santa Cruz

Santa Cruz, CA

B.S. in Computer Science, GPA: 4.0

June 2026

- Courses: Object-oriented Python, Data Structures in C++, C Programming, Computer Architecture/Assembly Language, Computer Systems and Design, Linear Algebra, Discrete Math, Machine Learning

Work Experience

Baskin Engineering @ UCSC

Santa Cruz, CA

Founding ML Engineer/Researcher

May 2024 – Present

- Secured \$3.4M funding, transforming a startup into a research lab advancing educational AI tools with RAG pipelines.
- Built backend with FastAPI and REST APIs, integrating OpenAI APIs, Firebase, and Pinecone DB, orchestrated with LangChain
- Developed frontend with Next.js, React, Tailwind CSS, for chrome extensions, slack bots, and websites.
- Streamlined CI/CD with GitHub Actions, deploying via Docker, Kubernetes, hosted on AWS EC2.

Slug AI @ UCSC

Santa Cruz, CA

Founder

Oct 2023 – Present

- Founded Slug AI, a UCSC branch of UCLA's Bruin AI, building an AI workforce of 40 students, bridging theory with application.
- Led 10+ workshops on RAG pipelines, transformers, LLMs, and neural networks, using, NumPy, Matplotlib, OpenCV, tensorflow.
- Organized weekly panels with professionals, attracting 150+ attendees, delivering 5+ AI projects with industry partnerships.

Shastha Fresh

Fremont, CA

Software Engineer Intern

May 2024 – Present

- Built a web and mobile *e-commerce platform* using React Native and Next.js, scaling to 300 users and tripling revenue.
- Developed a *real-time inventory system* for 1000+ SKUs using Kafka, Redis caching for images, and Firebase for data storage.
- Automated CI/CD with Jenkins, integrated Stripe API for payment processing, and deployed on Vercel, AppStore, PlayStore.

Blueprint @ UCSC

Santa Cruz, CA

Full Stack Developer

Nov 2023 – Present

- Developed web and mobile applications for non-profits using React Native and Firebase, enhancing user engagement.
- Built scalable infrastructure with AWS RDS, EKS, Lambda, Kubernetes, and Docker for containerized deployments.
- Automated infrastructure and CI/CD pipelines using Terraform and Jenkins, ensuring reliable and efficient scaling.

UCSC Lab: Here For You

Santa Cruz, CA

Full Stack Developer

Mar 2024 – Sep 2024

- Led a team of 7 under a UCSC professor to design and launch a web-based therapy platform, facilitating mental health services.
- Utilized Next.js, Express.js, and Supabase for real-time data synchronization, along with REST APIs and Redis for the backend.
- Deployed on AWS EC2, with S3 for storage and Lambda for serverless functions, delivering the platform in 2 months.

Soshal

Santa Cruz, CA

Founding Engineer

Oct 2023 – Jun 2024

- Led the development of web/mobile using Flutter, Next.js, Node.js, and Firebase, streamlining event management for clubs.
- Built Express.js APIs with authentication and Stripe API for secure payment processing, enabling efficient event creation.
- Led the project from ideation to launch, resulting in 10 large-scale events and securing 5 sponsors.

Revoteen Inc.

San Ramon, CA

Head of Engineering/Co-founder

Jun 2022 – Sep 2023

- Secured \$30K funding and scaled a platform connecting students to extracurriculars, reaching 10,000+ users with web and mobile.
- Built with Flutter, Next.js, PostgreSQL, a single Express.js service, and deployed via Vercel, launching on Play and Apple Stores.
- Optimized performance by 5x, integrated Google Analytics/Facebook Ads, and designed UIs using Tailwind CSS and Figma.

Projects

Doculaw | Next.JS, Express.JS, Fast API, AWS, GraphRAG, Neo4J

Nov 2024 – Present

- Developing a law tech platform to streamline discovery and propounding, enhancing efficiency in legal document review.
- Utilizing GraphRAG with the MERN stack, ensuring scalability and performance, while using Neo4J for vector search.

Technical Skills

Languages: Python, C, C++, Dart, JavaScript/jQuery, TypeScript, Java, HTML, CSS, RISC-V

Frameworks: React.js, Next.js, Flutter, Node.js, Flask, Express.js, Tailwind CSS, Django, TensorFlow, PyTorch, React Native, Expo

Tools: Git, AWS(S3, Lambda), Kubernetes, Redis, Docker, Kafka, Terraform, Firebase, Supabase, GCP, Vercel

Gen AI: NLP, ChatGPT Assistance API, Realtime API, Prompt Engineering, GraphRAG