

RUDRAKSH BHANDARI

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Education

University of California San Diego

Bachelor of Science in Computer Science | GPA: **3.9**

San Diego, California

September 2024 – March 2027

Undergraduate Research

- Building end-to-end RAG systems in the Statistical Visual Computing Laboratory (SVCL) with focus on retrieval, embedding, and generation pipelines.
- Developing KV-cache acceleration systems in the Alternative Computing Technologies (ACT) Lab, building H100 evaluation infrastructure for LMCache, CacheBlend, KVComm, and EPIC.

Experience

Software Development Engineer Intern

June 2026 – Present

Amazon Web Services - HyperPlane, EC2 Gateway Networking

Santa Clara, CA

- Built a Python/Bedrock AI-agent framework to automate game-day failure testing for AWS HyperPlane's host-health system, orchestrating fault-scenario injection, service-state mutations, and metric aggregation into automated root-cause reports.

Co-founder & Lead Developer

April 2026 – Present

Outfitr

San Diego, CA

- Founded a wardrobe-first social fashion app that helps Gen Z decide what to wear from clothes they already own, with closet import, outfit recommendations, and friend polls.
- Built the full-stack iOS beta across React Native / Expo, Fastify, Postgres, AWS, photo-based closet import, recommendation workflows, and social polling.

Software Development Engineer Intern

June 2025 – September 2025

Amazon Web Services - HyperPlane, EC2 Gateway Networking

Sunnyvale, CA

- Automated on-call operations by developing a CLI command generator that cut manual engineer effort by ~75% and improved incident response latency using React, Redux, and TypeScript.
- Engineered a Java/Python AWS event service for patch visibility across 14 EC2 cluster groups using Lambda, SSM, SQS, SNS, and CloudWatch.

Co-founder & Lead Developer

September 2025 – March 2026

NomNom

San Diego, CA

- Built two React Native apps: Student app for ordering UCSD dining hall deliveries and Rider app for student couriers, using TypeScript, Firebase, and Stripe; integrated notifications, in-app chat, live ETAs using Expo Location & React Native Maps.

Software Developer

November 2024 – June 2026

Triton Software Engineering

San Diego, CA

- Built full-stack features for David Brower Center, a database platform for nonprofit organizations to visualize relationships between NPOs, using TypeScript, React, Node.js, Prisma, and Postgres, working with a 12-member cross-functional team.

Founder

August 2023 – September 2024

ShareAllBooks

United Arab Emirates

- Founded and launched a React Native book-sharing app on App Store & Play Store, reaching 2,000+ downloads and 1,500+ donations/sales within the first year; featured in UAE national press; utilized JavaScript, Firebase, and EmailJS

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++

Frameworks: React Native, React, Next.js, Node, Express

Databases: PostgreSQL, MongoDB, Firestore, MySQL

Tools: Git, AWS, Xcode, Stripe, Expo

Projects

NyaayWatch

April 2026 – Present

- Built an open-source civic data platform with 5,000+ monthly visitors, automated Indian court data ingestion, PostgreSQL/S3 evidence storage, versioned snapshots, public APIs, and rollbackable AWS/Cloudflare publishing.