

RUDRAKSH BHANDARI

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Education

University of California San Diego

San Diego, California

Bachelor of Science in Computer Science | GPA: 3.9

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 2025 – September 2025

Amazon Web Services - Hyperplane team

Sunnyvale, CA

- Shipped internal operational tooling used by Hyperplane engineers for daily fleet operations across frontend and backend workflows.
- 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 – Present

NomNom

San Diego, CA

- Built and launched live App Store student and rider apps for UCSD dining hall delivery using React Native, TypeScript, Firebase, and Stripe.
- Designed Firestore transaction logic for OTP/drop-off delivery, preventing duplicate accepts; integrated notifications, in-app chat, and live ETAs with Expo Location and React Native Maps.

Software Developer

November 2024 – Present

Triton Software Engineering

San Diego, CA

- Built full-stack features for David Brower Center, a nonprofit relationship database, using TypeScript, React, Node.js, Prisma, and Postgres.
- Previously developed Psyches of Color mobile app features for underserved communities using React Native, Node.js, Express.js, and MongoDB; collaborated with 12-member cross-functional teams for real nonprofit clients.

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 national UAE press; utilized JavaScript, Firebase, and EmailJS for authentication, data storage, and email confirmations.

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

Outfitr | *TypeScript, React Native, Node.js, PostgreSQL, AWS*

February 2026 – Present

- Built a React Native fashion discovery system with Fastify APIs, catalog ingestion, Postgres-backed outfit ranking, Redis caching, telemetry, and queued virtual try-on workers on an AWS-first architecture.

NyaayWatch | *TypeScript, Node.js, PostgreSQL, AWS*

April 2026 – Present

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