

RUDRAKSH BHANDARI

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Education

University of California San Diego

San Diego, California

Bachelor of Science in Computer Science | GPA: 4.0

June 2027

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++ **Tools:** Git, Xcode, Android Studio, Stripe, Expo
Databases: MongoDB, Firestore, MySQL **Frameworks:** React Native, React.js, Node.js, Express.js

Experience

Software Development Engineer Intern

June 2025 – September 2025

Amazon Web Services - Hyperplane team

Sunnyvale, CA

- Partnered with operators and senior engineers to design and ship production-ready frontend and backend tools now adopted by the entire Hyperplane team for daily operations.
- Automated on-call operations by developing a CLI command generator that cut manual engineer effort by ~75% and improved incident response latency across the Hyperplane team; utilized React, Redux, and TypeScript.
- Engineered a backend event-publishing service that unified patching visibility across 14 EC2 cluster groups, reducing root-cause detection time and accelerating cross-team debugging during availability incidents.
- Implemented the service in Java and Python with AWS Lambda, SSM, SQS, and SNS; leveraged CloudWatch for debugging.

Co-founder & Lead Developer

September 2025 – Present

DormDrop

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; implemented UCSD-only login and live tracking.
- Designed end-to-end order flow and Firestore transaction logic for OTP and drop-off delivery, preventing duplicate accepts.
- Integrated notifications, in-app chat, and live ETAs using Expo Location and React Native Maps.

Software Developer

November 2024 – Present

Triton Software Engineering

San Diego, CA

- Developed full-stack features for Psyches of Color mobile app using React Native, Node.js, ExpressJS, and MongoDB, to provide mental health resources for underserved communities.
- Collaborated within a 12-member cross-functional team (engineers, designers, PMs, EM) to implement frontend screens and backend APIs, improving app usability and streamlining data flow.

Founder

August 2023 – September 2024

ShareAllBooks

United Arab Emirates

- Founded and launched a book-sharing mobile app (App Store & Play Store), reaching 2,000+ downloads within the first year
- Featured in national UAE press; facilitated 1,500+ donations/sales, creating a trusted community platform for books.
- Utilized React Native, JavaScript, Firebase, and EmailJS for user authentication, data storage, and email confirmations.

Leadership Experience

Sophomore Representative

September 2025 – Present

Triton Quantitative Trading

University of California San Diego

- Onboarded 30+ new members over two years (Freshman Rep to Sophomore Rep) through outreach campaigns that increased participation in quant trading events.
- Hosted seminars on quant trading concepts including risk management, game theory, protective puts, and covered calls.

Hackathon Winner

November 2022

Code Battle

Sharjah, United Arab Emirates

- Won UAE's largest inter-school hackathon by developing Fitr, a web-based fitness app utilizing TensorFlow.js and Teachable Machine for real-time pose estimation and form correction.