

# Kuljit Uppal

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## EDUCATION

### University of California, Berkeley

*Bachelor of Science, Electrical Engineering and Computer Science — GPA: 3.83*  
*Eta Kappa Nu Honor Society*

Aug 2023 – Present

*Berkeley, CA*

## EXPERIENCE

### Software Engineer Intern

*Bkey*

May 2025 – Present

*San Francisco, CA*

- Developed mobile app with Flutter and ExpressJS + MongoDB backend
- Deployed custom tokens and bridge contracts on a privacy appchain
- Implemented challenge-based auth and self-custodial Web3 wallet generation and transactions

### Software Engineer Intern

*ChannelSeal*

Jan 2025 – May 2025

*Berkeley, CA*

- Engineered multi-tenant Java Spring Boot REST APIs with Jakarta/JPA + PostgreSQL
- Built Alert microservice and CRUD operations, implementing pagination & soft-delete
- Automated discovery of 200+ third-party OpenAPI specs with Python scraper and Azure OpenAI

### Project Manager

*Code for Good*

Sep 2024 – May 2025

*Berkeley, CA*

- Helped nonprofits optimize volunteer data collection and create engineering metrics
- Led team of 6 developers to develop Github metric visualizations with JS and Retool
- Automated schedule planning with Apps Script, reducing manual workload by 40%

## PROJECTS

### Market Shield | *React, Supabase, FastAPI*

Jun 2025 – July 2025

- Built a financial radar for tracking global conflicts/trends to deliver personalized tips
- Created AI agents to ingest stock market and conflict data from 5+ sources

### Settling | *Python, Open AI, Gemini, JS, Firebase*

Oct 2024 – Dec 2024

- Developed a personalized immigration app for immigrants/refugees with Python and Firebase
- Designed 3 AI chatbots to create a user profiles, provide tailored job recommendations, and generate career paths
- Supported legal documentation assistance for 10+ immigration documents with Gemini

### Macro Tracker | *Python, Flask, JS, Firebase, Google Cloud*

Nov 2023 – Mar 2024

- Provided access to nutrition logging at 5+ UC Berkeley dining halls and restaurants with a Python web app
- Used by over 1100 students to calculate and track their nutrient intake
- Developed and deployed a full-stack responsive web application with Flask and GCloud

## CERTIFICATIONS/HONORS

### The Gates Scholarship

- A prestigious full ride scholarship funded by the Bill and Melinda Gates Foundation
- Among 750 scholars of 51,000+ applicants, representing academic achievement, service, and commitment

### GIAC Security Essentials & CompTia Linux+

- National Cyber Scholar with Honors, top 2% of CyberStart players nationwide
- Certified to protect and secure data on-premise and in the cloud

### National Cyber Challenge Finalist

- One of 15 finalists in a national cybersecurity Capture the Flag competition
- Invited to the US Cyber Combine as a top 100 cybersecurity competitor

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, Go, SQL, PHP, Powershell, JavaScript, HTML/CSS

**Frameworks:** React, Django, Flask, NodeJS, REST, Springboot

**Software:** Git, Docker, VS Code, IntelliJ, Linux, Ghidra, BurpSuite, Wireshark, Metasploit

**Courses:** Data Structures, Algorithms, Computer Security, PCB Design