# Aditya Ramaakrushnan

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## EDUCATION

**UC Berkeley** — Berkeley, CA
Bachelor of Arts in Computer Science — GPA: 3.80 — Aug 2019 – May 2023

## EXPERIENCE

**Visa** — May 2021 – Present
Software Engineering Intern — Remote
- Worked in 2 week Agile sprints under the Issuer Processing Team to complete Jira tickets.
- Updated server metrics and Grafana dashboards by writing PromQL queries and making API calls to internal endpoints.
- Used Java, Apache Kafka, and Spring Boot to add internal tags to log files based on multiple environment and server variables, and leveraged MicroMeter to expose Kafka metrics to Prometheus.
- Developed Kafka stream jobs to filter and map authorization requests for a new billing feature.

**Amtrak** — January 2021 – Present
Software Engineering Intern — Remote
- Worked on the Amtrak Rider Mobile App under the e-Commerce team.
- Utilized Angular to built client-side components and leveraged Appium to automate testing.
- Utilized Angular, TypeScript, Appium, Git, and BitBucket.

**IEEE** — February 2021 – May 2021
Committee Officer and Software Developer — Remote
- Created REST endpoints that authenticated users using Google OAuth and used Node Session Storage to keep sessions alive for valid users.
- Worked on the backend for the UC Berkeley Startup Fair website, which ingested sign-up requests from 50+ attendees, managed student authentication, and updated a MongoDB database.
- Developed scripts to parse and serialize NGINX files asynchronously.
- Worked with Node.js, JavaScript, JQuery, and MongoDB.

**Computational Approaches to Human Learning Lab** — February 2021 – May 2021
Research Assistant and Software Developer — Remote
- Worked under prof. Pardos on the AskOski platform, which helps Berkeley students plan classes and hit graduation requirements.
- Automated the process of fetching campus data and updating AskOski's database and machine learning models.
- Fixed bugs in the Flask backend by writing SQL queries and re-factored existing Python code.

**Beehive** — August 2020 – May 2021
Software Developer — Remote
- Utilized user feedback to lead development in fully revamping, Beehive, UC Berkeley's official undergraduate research matching platform, according to UI/UX specifications.
- Implemented routes to connect Ruby on Rails backend with React frontend.
- Integrated search capabilities into the existing dashboard, enabling users to filter research positions by various categories.

## PROJECTS

**Gitlet** | *Java*
- Designed and developed Gitlet, a version control system with the core functionalities of Git.

**Stock Market Simulator** | *Python, Flask, HTML, CSS*
- Web app that allows users to create personal accounts, purchase stocks, visualize stock trends, and store purchase records. Front-end can be seen here.

## TECHNICAL SKILLS

**Languages**: Python, Java, C, JavaScript, SQL, HTML/CSS
**Tools and Frameworks**: Git, React, Node.js, Spring Boot, Apache Kafka, Flask, Angular, MongoDB, pandas