

# SHIVA SUDANAGUNTA

Website: [shiv-uh.github.io](https://shiv-uh.github.io) • GitHub: [github.com/Shiv-uh](https://github.com/Shiv-uh) • Cell: 916-805-7325 • Email: [sss336@cornell.edu](mailto:sss336@cornell.edu)

## EDUCATION

### Cornell University

Master of Engineering - Computer Science

Bachelor of Science - Computer Science, Applied Economics and Management

Cumulative GPA: 4.03/4.30

Relevant Coursework: *Software Engineering, Object-Oriented Programming and Data Structures, Computer System Organization and Programming, Functional Programming and Data Structures*

**Ithaca, New York**

*Expected Graduation: May 2022*

*Expected Graduation: May 2021*

## WORK EXPERIENCE

### Cornell Course Management System

*Software Developer*

**Ithaca, New York**

*January 2020 – Present*

- Furthered development of Cornell's Course Management System (CMS), a website actively used by 8,000+ students and course staff members for announcements, assignment distribution, and submissions
- Developed capabilities for students to view course information, upload assignments for submission, and schedule appointments with course staff on a new React front-end; maintained the UI throughout REST API development

### Hunter R. Rawlings III Cornell Presidential Research Scholars

*Research Assistant*

**Ithaca, New York**

*February 2018 – Present*

- Created web scraping scripts to increase access to data and automate the collection process for 1000+ corporate disclosure forms
- Utilized Pandas to graph and visualize data trends to determine how the readability of corporate disclosure forms affect company market performance

### Impact Venture Capital

*Summer Venture Fellow*

**Sacramento, California**

*June 2018 – August 2018*

- Reviewed over 10 technology startups with attention to product-market fit, traction, and alignment with the fund's focus; exposed to enterprise and consumer-facing startups.
- Identified synergy between a portfolio company and a startup in review; presented findings to management and initiated a conversation between the two companies

## PROJECTS

### Downtime - (Dart, Flutter, Firebase)

*May 2020 – Present*

- Created a mobile app for iOS and Android to help people coordinate and find things to do with their friends
- Features an "explore" feature where users can share unique ideas for things to do in their city and town, giving other users access to lesser-known experiences for their own friend group
- Utilized a business logic component (BLoC) app architecture to ensure scalability

### CookOPS - (JavaScript, Express, Node, AWS)

*February 2020 – April 2020*

- Coordinated with 7 other team members to build an online program system that streamlined the planning and hosting of events for 400+ student residents at Cornell's Alice Cook House; will be used Fall 2020 onwards
- Integrated Cook House's previous Google Calendar planning workflow into CookOPS, enabling event admins to view existing events and automatically push new events created in CookOPS to the house's Google Calendar
- Developed a reminder feature allowing event admins to send custom-timed reminder emails to event attendees

### NanOCaml - (OCaml)

*October 2019 – December 2019*

- Developed a text editor inspired by Nano and Vim featuring line numbering, line "bookmarking," special cursor behavior, and basic keyword highlighting support for OCaml and Python to improve usability
- Incorporated a spell check tool and word-autocomplete suggestions; achieved a first-word suggestion accuracy of 70% with the spell check model

## SKILLS

**Languages:** Java – Python – Dart – JavaScript – OCaml – RISC-V Assembly – C – Swift – HTML/CSS – MySQL

**Libraries/Tools/Frameworks:** React – Express – Node – Flutter – Firebase – Logisim – Git/GitHub