

SHIVA SUDANAGUNTA

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EDUCATION

Cornell University

Master of Engineering – Computer Science

BS – Computer Science (Minor), Applied Economics and Management (GPA 3.98/4.30)

Relevant Coursework: *Software Engineering, Object-Oriented Programming and Data Structures, Computer System Organization and Programming, Functional Programming, Operating Systems, Linear Algebra, Database Systems (F21), Foundations of AI (F21)*

Ithaca, New York

Expected Graduation: May 2022

May 2021

WORK EXPERIENCE

Angi (HomeAdvisor) | Software Engineering Intern

June 2021 – August 2021

- Reduced “on hold” wait times by an average of 6 minutes over ~1,500 outbound calls per week by developing functionality that allows sales representatives to rapidly provide prospective customers with the amount of opportunity available by zip code
- Accelerated the platform integrity team’s effort to identify fraudulent accounts by creating 2 new phone search options within a Spring microservice architecture
- Self-initiated 13 user interviews with members of the sales organization and platform integrity team to identify areas for improvement within an internal customer relationship management tool—“BETIT”

Cornell Course Management System | Software Developer

January 2020 – May 2021

- 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

Cornell University | Graduate Teaching Assistant

June 2021 – August 2021

- Provided mentorship and guidance on assignments in weekly office hour sessions and labs for CS 1110 – Introduction to Computing Using Python

Rawlings Cornell Presidential Research Scholars | Research Assistant

February 2018 – May 2021

- Automated the collection process for 1,000+ corporate disclosure forms and SEC filings by creating web scraping scripts
- Utilized Pandas to visualize data trends and determine how aspects of corporate disclosure forms and SEC Form 4 filings can positively and negatively affect company market performance

PROJECTS

Downtime - (Dart, Flutter, Firebase)

May 2020 – Present

- Created a mobile app for iOS and Android to help people coordinate and find “experiences” with 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
- Integrated a Shibboleth single-sign-on system to comply with Cornell’s IT standards, making CookOPS accessible to only members of the Cornell community
- Incorporated 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

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%

SKILLS, INTERESTS, & ORGANIZATIONS

Languages: Python (Advanced) – Java (Advanced) – JavaScript (Intermediate) – HTML/CSS (Intermediate) – Dart (Intermediate) – Swift (Intermediate) – OCaml (Intermediate) – SQL (Intermediate) – C (Exposure) – RISC-V Assembly (Exposure)

Frameworks/Tools: React – Express – Node – Spring – AWS (EC2, RDS) – Flutter – Firebase – JIRA – Git

Interests: Rowing – Hiking – Basketball (Lakers) – South Asian Film Industry – Poker

Organizations: Telugu Association of Cornell (Co-Founder, VP of Recruitment) – Cornell Impact Investing (VP of Operations)