

# AKSHAY ALLAM

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## EDUCATION

**University of California, Irvine**  
Bachelor of Science in Computer Science, 2021

**Sept. 2017 - Current**

## WORK EXPERIENCE

**Bose Corporation, Cloud Data Engineer Intern**, Framingham, MA

**June 2019 – Aug. 2019**

- Developed a data collection client in JavaScript that gathers sensor data from any Bose Augmented Reality product
- Created a data collection server in Golang that receives, parses, and pushes sensor data to a Kibana dashboard
- Pipelined incoming sensor data into a Postgres database and formed visualizations using Apache Superset
- Worked in an Agile Development, utilizing daily scrum, user stories, sprint planning and retrospectives
- Project was showcased at the Bose Builders Conference

**ARTEM (art-selling startup at our university), Web Developer Intern**, Irvine, CA

**July 2018 – Sept. 2018**

- Developed the front-end using HTML, CSS, and Bootstrap for an efficient user interface
- Utilized web-development frameworks and tools such as Django and Git to build and maintain the application
- Integrated PostgreSQL into the application for storing and retrieving of user data

## PROJECTS

### Covid-19 Contact Logger

Full stack web application that allows users to keep track of their travels in case of a Covid-19 exposure.

- Created a responsive SPA with React (Redux, Context, Hooks) and JWT Token Authorization
- Developed a RESTful API using Node.js with Express.js for saving and retrieving user data with MongoDB
- Leveraged third party APIs to gather up-to-date statistics on Covid-19 cases in the U.S.
- Implemented version control using Git and deployed the app through Heroku and Firebase

### DiroText

Web server built with Python and Flask that allows users to receive navigation directions via SMS without Wi-Fi or mobile data.

- Utilized the Twilio API for SMS delivery
- Implemented the Google & HERE Direction APIs for navigation assistance
- Awarded "Best Use of Twilio API" at Citrus Hack (University of California, Riverside)

### Fastscan.ai

Neural network model trained to instantly diagnose all stages of skin cancer simply with the snap of a photo.

- Trained the image classifier model using the fastai deep learning library and a large dataset of skin cancer images
- Created a web server with Python and Flask to communicate between the neural network and Twilio API
- Allowed the user to send a picture of their skin and receive a quick diagnosis via SMS

### UCI Professor Ratings

Chrome extension written in JavaScript that allows students to directly access a professor's RateMyProfessor page from our school's class schedule page.

- Gained over 275 users since publishing in July 2020

## EXTRACURRICULARS

**Information and Computer Science Student Council, Student Events Committee**

**Jan. 2018 – June 2018**

- Hosted multiple workshops on web development technologies such as HTML5, CSS3, & JavaScript
- Planned biweekly events for students to collaborate and network in such as Mini Hackathons & Alumni Q&A Panels

## SKILLS

- **Languages:** Python, JavaScript (+Node.js), HTML, CSS
- **Frameworks:** React (Redux, Context, Hooks), Express.js, Bootstrap
- **Additional:** PostgreSQL, MongoDB, Git, Postman