AKSHAY ALLAM

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EDUCATION

University of California, Irvine   **Sept. 2017 - Current**
Bachelor of Science in Computer Science, 2021

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 Tracer
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