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
- Summer 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 modern software tools and frameworks such as Django and Git to build and maintain the application
- Integrated PostgreSQL into the application allowing for an industry standard database configuration

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

UCI Professor Ratings
Chrome extension written in JavaScript that allows students to quickly access a professor's RateMyProfessor page from our school's class schedule page.
- Gained over 275 users since publishing in July 2020

Chess AI
Single player chess game written in Python in which the AI never loses.
- Constructed the artificial intelligence using the minimax algorithm, alpha-beta pruning, and heuristics

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), Java, HTML, CSS
- **Frameworks**: React (Redux, Context, Hooks), Express.js, Bootstrap
- **Additional**: PostgreSQL, MongoDB, Git, Postman