

Ahan Mukhopadhyay

9450 Gilman Dr., La Jolla, CA 92092

🌐 ahanm.github.io

✉ ahan.muk@gmail.com

🔗 github.com/AhanM

☎ 619-908-0285

Education

University of California, San Diego

BS in Computer Science GPA: 3.8

La Jolla, CA

Expected Graduation: June 2020

Experience

UCSD CSE Department

Tutor

La Jolla, CA

Sept 2017 - Mar 2018

- CSE 11 - Intro to Java and Object Oriented Programming - Professor Rick Ord
- CSE 30 - Computer Organization and Systems Programming - Professor Rick Ord

Swish Labs

Software Development Intern

Remote

June 2017 - Aug 2017

- Worked on backend-server dev, routing, database querying for projects
- Improved concurrency in the room8 (iOS app) server for 10,000 active users
- Created Rest APIs to expand backend server support to mobile apps
- Developed Gatorade Loyalty CMS server and contributed to Gatorade.com
- Tech Used: NodeJs, ReactJs, MeteorJS, KeystoneJS, MongoDB

Yobi Technologies

Software Development Intern

Gurgaon, India

Jan 2016 - June 2016

- Developed an extreme weather alert tool for use by the Government
- Created a web app that collected data from 100+ IoT weather stations
- Implemented data visualization models that identify at-risk regions
- Made a MVP of a low-cost CCTV that could count traffic, piloted by police
- Tech Used: Python, Flask, MongoDB, OpenCV, Plotly, Raspi

Projects

Chessbox

Jan 2018 - May 2018

- An Chess AI you can play on a physical chess-board
- Custom Chess Engine obtained a 2100 elo rating
- Employs Alpha-Beta Pruning and Iterative deepening for search
- Chessboard uses IR sensors to detect piece movement
- Tech Used: C/C++, Arduino

ClickBlock - Social Hack Winner

HackUCI 2017

- Google Chrome Plugin for Facebook newsfeed that automatically checks for clickbait
- Changes title to a more appropriate one for the article's content
- Provides a 10-line summary on hover and probability of correctness
- Classifier trained on 10,000 articles with 89% accuracy.
- Tech Used: Python, sci-kit learn, flask, beautiful-soup

Trivents - DocuSign Prize Winner

SD-Hacks 2016

- A platform that allows event posting to all social media pages
- Each event has a QR code which can be used to signup for the event
- Messenger Bot uses the QR code to register you for the event
- QR ticket scanning helps prevent long queues
- Tech Used: NodeJS, MeteorJS, Messenger Bot, FB Graph API, GoogleMaps API

Additional Skills

- Coursework: Data Structures, Algorithms, Computer Systems, Software Engineering, Linear Algebra
- Languages/Frameworks: Python, C, C++, Java, HTML/CSS, Javascript, NodeJS, MeteorJS, React