

Ish Chhabra

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WORK EXPERIENCE

Software Developer Intern (Python)

05/2021 - 08/2021

Gordian Software

- Create software and API to serve clients in the travel industry.
- Develop tests - unit testing and regression testing.
- Write web scrapers to extract flight data from different airlines.
- Develop solutions to bypass state-of-the-art anti-bot blockers by Akamai and Incapsula to facilitate web scraping.
- Develop tools to decrease development time and increase test coverage.

Full Stack Developer Intern

06/2020 - 08/2020

CICS, UMass

- Project ReachOUT (reachout.cics.umass.edu)
- Integrate multiple endpoints of the application with AWS S3.
- Design, develop, and validate multiple React components to render the frontend.
- Write AWS Lambda functions in Python to expose API endpoints for the frontend.
- Implement string internationalization and time-zone conversion for the application to increase availability to foreign users.
- Backend Optimization to reduce data transfer between the client and host by 3x.

Founder, CTO

08/2017 - 03/2019

Hungry Stabbers Gaming

- Ranked 1 Counter-Strike 1.6 gaming community from 2017 to 2019.
- Design, develop, test, and maintain multiple Counter-Strike 1.6 servers on AWS.
- Develop the security infrastructure using AWS SDK for the servers with automated scripts to counter nefarious attacks.
- Develop game mods in a C based scripting language called AMXMODX.
- Foster a fun and friendly gaming environment in a community with 2000+ members.

PROJECTS

EthiSim (Ethics Simulator)

02/2021 - 05/2020

University of Massachusetts Amherst

- ethisim1.cs.umass.edu
- Install, configure, and maintain Apache web server on CentOS 8.
- Install and configure Shibboleth Service Provider as a module on Apache to integrate UMass Single Sign-On with the web application.
- Integrate SSO with Django endpoints.
- Implement reverse proxy to forward requests to multiple applications running inside separate docker containers.

SKILLS

Programming - Python, JavaScript (ES6), C, C++, Java, SQL (MySQL, Postgres), NoSQL (Firebase), AWS, React, REST

EDUCATION

University of Massachusetts Amherst

December 2022

BS in Computer Science | GPA: 3.972

Coursework: Computer Networks, Computer Network & Security, NLP, ML, Cloud Computing, Algorithms, Operating Systems, Artificial Intelligence, Software Engineering

Awards:

- Dean's List Fall '19, Spring '20, Fall '20, Spring '21