OMSHI SAMAL

samal.omshi@gmail.com · linkedin.com/in/omshi · github.com/omshii · omshi.me

EDUCATION

Colgate University *Expected Graduation: Spring 2024*
- B.A. Computer Science and Math
- Alumni Memorial Scholar
- Relevant coursework: Introduction to Programming II, Calculus III, Systems Biology

EXPERIENCE

Intern, Odisha Crafts Museum *Aug 2019 - Oct 2019*
- Researched and pitched reports on an audio tour system to increase visitor access to information, and a digitized payment\ticketing system. Used Audacity for audio processing and SoundCloud API for hosting the tour, also experimented with multiple payment gateway systems.
- Completely redesigned the museum website using Adobe XD and Illustrator focusing on classic design principles.
- Saved weeks of time by writing scripts using Python to automate the online archival process.

Open Source Contributor, Liquid Galaxy LAB *Oct 2017 - Dec 2019*
- Created a Google Assistant app to control the Google Earth application by voice, using Dialogflow and Nodejs.
- Worked with the Liquid Galaxy LAB for Google Code-In 2017. Wrote scripts in Python and Bash, shipped Docker environments, and created paired Android apps to transmit information via Bluetooth.
- Mentored for them as a part of Google Code-In 2018 and 2019. Created programming tasks and moderated a student community of 500+.

Freelance Developer and Designer, Multiple Companies *Dec 2019 - Present*
- Redesigning websites, logos, and other branding materials; writing scripts for automation and analytics.
- Currently with Zogo Finance as a web developer - Greatly increased user engagement and leads by adding custom invite pages, interactive forms, blogs, and other design tweaks, working with WordPress/PHP.

Google CSSI-Coursera *June 2019 - July 2019*
- Attended the highly selective CSSI-Coursera program, completing the Java Programming: Fundamentals of Software Development course with a grade of 100%. Learned about sorting, N-grams, and predictive text among others.

PROJECTS

pykitables   github.com/omshii/pykitables
- A personal utility tool - a Python package to cleanly scrape tables from Wikipedia for data analysis. Created using beautifulsoup.

Thomson's Problem   github.com/omshii/ThomsonProblem
- Worked in a team of 3 people to create a (very fast and accurate) simulation of the Thomson's problem in physics.
- Created a visualization using mayavi and matplotlib, added vectorization using numpy.

HONORS

Finalist, Secure Himalaya Hackathon *Dec 2019*
- One of 6 finalists from all over India in UNDP's India Hackathon.
- Designed, prototyped, and presented an application, Xplore!, to generate awareness about indigenous Himalayan flora and fauna at UNDP Delhi.

Winner, Google Code-In *Jan 2018*
- One of 50 winners worldwide in the programming competition.
- Visited Google Headquarters, attended some very interesting talks and sessions.

Junior Member, New York Academy of Sciences *Oct 2018 - Oct 2019*
- One of 100 members worldwide selected to be a part of The Junior Academy Program.
- Worked and collaborated on technological and product development challenges.