

AVIRAL SAXENA

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EDUCATION

University of Illinois Urbana-Champaign
B.S Computer Engineering

May 2022

EMPLOYMENT

Businessolver
Software Engineer Intern

Itasca, IL
June 2019 to Aug. 2019

- Worked alongside a small engineering team on building products for administration and revamping old technologies and methods using AWS services
- The internship included full-stack development in an Agile Scrum environment
- The stack mainly consisted of Java, XSLT, SQL, and AWS services
- The main project was to redesign and revamp a web application's import/export page and reconfigure different pages so that any format of input could be parsed and would persist in the database and also could be exported to any required format properly and seamlessly as well

Chicago Hacks
Co-Founder

Chicago, IL
June 2016 to Aug. 2018

- Co-Founded a non-profit organization whose main objective is to inspire high school students and staff to get involved in the field of computer science and programming while continuously spreading knowledge and awareness of the rapidly growing industry
- Home to an annual ever expanding high school hackathon open to 300+ students across the nation where they get to form teams, compete, participate in workshops to learn about the most exciting technologies, and earn prizes, rewards, and most importantly, gain experience while networking

PROJECTS

Math Jam

- A fun and interactive math game for children based on the immensely popular battle royale theme
- Built using a Node.js server with socket.io to handle user connections on top of pure JavaScript and html/css to style the game pages.
- Built at Hack Illinois 2019

Nosh - (Congressional App Challenge Winner)

- Decentralized marketplace for food
- Powered by Ethereum Smart Contracts to avoid middle man fees

NewsMood - (Hackathon Winner)

- Built using a Node.js back-end and various news APIs from around the world to aggregate and do a sentimental analysis of a multitude of articles
- The analysis is then displayed on a google chart API of the world with a distinct color coding to display the sentiments of the whole world currently

SKILLS

ADEPT AT: Java, Python, Javascript, Node.js, Socket.io, HTML/CSS

COMFORTABLE WITH: C, C++, MongoDB, Firebase, XSLT

TOOLS: Jira, Confluence, Bamboo, BitBucket

AWARDS

Dean's List

Congressional App Challenge Winner

Math Team State Medalist

Varsity Tennis Conference Finalist

ACTIVITIES

Reflections Projections Corporate Team

ACM UIUC

Varsity Tennis · 1st Doubles

Scholastic Bowl

Math Team · Captain

COURSEWORK

Analog Signal Processing

Computer Systems and Programming

Data Structures

Linear Algebra

Discrete Mathematics

Intro to Programming for Data Science