ARAVIND NATCHIAPPAN

Computer Science Student

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EXPERIENCE

MedSmarter
Web Developer Intern

📅 Feb 2020 – Mar 2020   📍 Suwanee, Georgia

- Facilitated in the migration of a consumer-facing website to a different payments handler.
- Worked on an online courseware distribution system for students to access coursework and materials remotely.
- Assisted in various other projects involving market research and brand development ensuring optimal client experience.

PROJECTS

Make My Meals
https://github.com/aravindnatch/makemymeals

- A mobile website that reimagines retail shopping with pathfinding and machine learning in the COVID-19 era.
- Uses object recognition to determine the user's location in a store along with the item they are holding. A list of recipes are generated based on the scanned item. After choosing a recipe, the user is taken along the shortest available path between each of the items.
- Works by leveraging a custom path-finding algorithm that parses store location data.

Mesh
https://github.com/aravindnatch/mesh

- Demystifying Applicant Tracking Systems and finding jobs that match your skill set with feature extraction and document parsing.
- Uses NLTK and Spacy to determine which words on a resume correspond to user identifying information like an individual's university, phone number, and name.
- Uses scikit-learn's cosine similarity function on a database of 10,000+ job listings. Allows the application to provide a list of jobs that most closely match the inputted resume.

Pancake
https://github.com/aravindnatch/pancake

- A fun GroupMe bot initially built to entertain my groupchats during quarantine. It is now a free, public bot that anyone can use.
- Leverages GroupMe APIs for authentication and bot actions and many. Built a REST API that handles incoming requests and used SQLite3 to manage user data.
- Has features like user banning and whitelisting to manage abuse in larger groupchats.

SKILLS

Python   Java   JavaScript (ES6)
TypeScript   HTML   CSS

Flask   React (Native)   Docker
UNIX/Bash   WordPress   Git

EDUCATION

University of Georgia
B.S. Computer Science

📅 Aug 2020 – Current   📍 Athens, Georgia

- Relevant Coursework: Introduction to Computing and Programming, Software Development, Discrete Mathematics for Computer Science

EXTRACURRICULAR

Mobile Health UGA

📅 Aug 2020 – Current

- Backend App Developer
- Implemented a skeleton backend in Firebase that incorporates stored data models and push notifications.
- Designed UML models and app flows for an efficient project workflow allowing for consistency amongst team members.

Georgia Political Review

📅 Aug 2020 – Current

- Frontend Web Developer
- Developed a custom WordPress template that completely redesigned the frontend to make it more visually appealing.

ACHIEVEMENTS

🏆 **Winner - NCR Challenge**
UGAHacks 6

🏆 **Wolfram Award**
Hack@Brown 2021