Kartik Rao

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EXPERIENCE

GLOBAL LENDING SERVICES, *Software Developer* (July 2021 - Present)
- Enhanced the pricing and scoring engine and migrated the tech stack to **Snowflake**.
- Utilized **Python, Azure Function, Logic Apps** and **DEFI L.O.S** to solve **business needs.**
- Worked on launching a new line of business and integrations with 2 partners.

CHARLES RIVER LABORATORIES, *Digitization Co-op* (Jan 2021 – May 2021)
- Design, develop & document workflows on **SharePoint 365** using **power automate** with a view provide/consume data within the **MS ecosystem** and speed flow of data using process automation across both mobile and desktop computing

OMEDYM, *Software Engineering Intern* (Oct 2020 – Dec 2020)
- Conducted and monitored load testing on a platform for response time and analyze results
- Used **K6** for performance testing and load balancing of the deployed cloud components
- Automated 25 test cases using **JavaScript** by co-ordinating with one teammate

CLEMSON FACILITIES, *Software Developer Intern* (Feb 2020 – Jan 2021)
- Programmed and launched a virtual thermostat app for the University using an API for data collection of thermosensation and preference and air quality of 6 buildings using **React-Native**
- Designed a Prototype Application for reducing the Carbon footprint for the University for a carbon-neutral environment to reduce energy costs of the campus to a minimum using **Figma**

KUSTARD, *Full-stack Developer Intern* (Jun 2018 - Apr 2019)
- Developed a product to help visually challenged people
- The product detects over 1000 objects, recognizes people and notifies its location to the user by implementing Computer Vision using Y.O.L.O for object detection
- Used **Python**, **Y.O.L.O**, **Text to Audio API** to realize the product while leading a team of four

EDUCATION

MASTERS OF SCIENCE - COMPUTER SCIENCE	(Aug 2019 – May 2021)
Clemson University **3.81/4**	
BACHELOR OF ENGINEERING - INFORMATION TECHNOLOGY	(Aug 2016 – May 2019)
Mumbai University **8.64/10**	

PROJECTS

CO2OUT! (Sep 2019 - Current)
- Innovated a mobile application to keep users aware of the amount of Carbon produced by their daily activities by using food, travel, and utilities as variables
- Co-ordinated effectively a team of four by leveraging **Wireframing**, **User Research**, **User Evaluation**, **Progressive WebApp**, **Materialize**, **PHP**

PANCREATIC CANCER PREDICTION (Apr 2020)
- Analyzed the pancreatic cancer data to interrogate gene expressions to check for pancreatic cancer in patients by assessing various machine learning models and performing validation on these models to achieve 93% accuracy
- Executed **Machine Learning** in **Python** by utilizing Jupiter Notebook in a group of three

FOODPAL (Apr 2020)
- Bolstered a team of four to use Computer Vision and ML to create an application to detect food items and show its components and nutritional by clicking a photo of the dish
- Won 1st place at FRCRCE Hackathon out of 50 teams
- Modeled a binary classifier with 90% accuracy for **Object Detection** using **Web Scrapping**

SAKEC ACM WEBMASTER (Dec 2018 – May 2019)
- Built sakec.acm.org and maintained the website to encourage students and faculty to join ACM.
- Conceptualized and designed the website with the aid of three co-workers using **HTML**, **MD Bootstrap**, **CSS**, **JavaScript** and **PHP**

ACHIEVEMENTS

1st Prize in Inter College Hackathon (2019), 2nd Prize in Inter College Coding (2018)
Elite Rank in NPTEL Certification on Data Structures & Algorithms using Python (2017)

LANGUAGES, TOOLS

Python, React, React-Native, HTML/CSS, JavaScript, Java, C, C++. Android, PHP, Flask, Power Automate, Sharepoint, Microsoft Ecosystem, K6, Altair, Figma, Snowflake, Azure Ecosystem

SOLVED PROBLEMS IN

AI, Web Development, Data Science, Computer Vision, Machine Learning, App Development, Automation, Load Testing, Prototyping