

Charan Ramachandran

@ charanr0121@gmail.com

☎ (404) 955-1708

in charan-r

🔗 charanr0121

EXPERIENCE

NCR Corporation

Software Engineering Intern

📅 May 2021 – Present

📍 Atlanta, GA

- Design and implement client-facing features to expand site health monitoring for online ordering customers
- Manage CI/CD pipeline for internal documentation portal
- Refine existing APIs by incorporating *Retrofit* and *OkHttp* to improve company Hackathon experience

📅 June 2020 – Aug 2020

📍 Remote

- Leveraged *Google Cloud PubSub*, *BigQuery*, and *Memorystore (Redis)* to generate an interactive real-time analytics dashboard
- Visualized food order prep time, location, and other metrics for 220,000+ orders per day using *GCP Data Studio*
- Automated serverless deployments using *Terraform* and *Harness*
- Received award for best project at summer intern expo

Digital Media Attention and Cognition Lab

Undergraduate Researcher

📅 Aug 2018 – Present

📍 Athens, GA

- Build mock Instagram feeds for studies using *Express* and *Swift*
- Measure subjects' response to social media newsfeeds through eye and facial expression tracking
- Write and publish content analysis papers on opioid epidemic Twitter posts and ad effectiveness when multitasking (both accepted to the AEJMC Conference)

PROJECTS

LoopFlip

Django, React, AWS

📅 Sep 2021 – Present

- Develop *Django* webapp for music producers to download and upload royalty free samples
- Utilize *React* for frontend and *Amazon S3* bucket for audio storage
- Design auditioning feature, allowing users to manipulate samples prior to downloading

Paranoia

NodeJS, Express, React, PostgreSQL

📅 Sep 2021 – Present

- Lead team of 10 developers to create a web-based party game
- Organize teams based on individual strengths
- Develop backend with *Express* and *Heroku PostgreSQL* instance

History Repeats

Short Film

📅 March 2021

- Wrote and directed a short film about racism and identity during the COVID-19 Pandemic

EDUCATION

University of Georgia

BS in Computer Science

BA in Entertainment & Media Studies

Certificate in New Media

📅 Aug 2018 – Present

📍 Athens, GA

- **GPA:** 3.77/4
- **Dean's List** (Fall 2018 – Present)
- **Zell Miller Scholarship** (Aug 2018 – Present)
- **CURO Research Assistantship** (Spring 2019)

COURSEWORK

Computer Science

- Data Structures and Algorithms
- Software Engineering
- Java Development
- Human Computer Interaction
- Computer Architecture
- Systems Programming
- Swift Development

Entertainment & Media Studies

- Directing
- Screenwriting
- VFX & Color Correction
- Media Analysis

SKILLS

Programming & Web Development

Java Python JavaScript
HTML CSS SQL Swift

Tools & Technologies

GCP AWS Flask Django
NodeJS Express React MySQL
PostgreSQL Heroku Figma

Spoken Languages

English Tamil

CLUBS & INTERESTS

AKPsi Business Fraternity, *Director of Videography*

Google Developer Student Club, *Tech Lead*

Indian Cultural Exchange, *India Night Marketing Director*

Whatever It Takes, *Mentor*