

Advith Chegu

www.github.com/advil64 | www.linkedin.com/in/achegu | advil64@gmail.com | 732-910-4261

Education

Rutgers University SAS Honors Program — New Brunswick	8/2018 — 5/2024
B.S. Computer Science & Statistics (<i>Degree Conferred</i>)	GPA: 3.8/4.0
M.S. Computer Science (ML Concentration)	GPA: N/A

Relevant Coursework: Data Structures/Algorithms, Intro to AI, Distributed Systems

Languages/Skills: Java, Python, JavaScript (ES6), SQL, C, R

Technologies: Git, Elastic Search, PyTorch, GCP, pySpark, Docker, ReactJS, Airflow

Experience

Data Science Intern — Colgate-Palmolive (Piscataway, NJ)	5/2020 — Present
<ul style="list-style-type: none">- Developed a Rest API to calculate toothpaste chemical formula risk saving chemists tedious calculations- Created an in-house toothpaste recommendation system using NLP built with ReactJS pulling data from PostgreSQL and Google Big Query and deployed on GCP saving \$200 monthly on outsourcing costs- Designed and deployed a Product Safety Report Tool using Google Docs API, Flask, Airflow and NodeJS and automating 400 annual toxicologist man-hours	
Data Engineering Intern — Goldman Sachs (Dallas, TX)	6/2022 — Present
<ul style="list-style-type: none">- Upgraded existing Marcus ETL pipelines to a new internal GS tool using Kafka and PySpark to perform real time decisions on the lending platform	
Data Engineering Intern — RBC Capital Markets (Jersey City, NJ)	6/2021 — 8/2021
<ul style="list-style-type: none">- Created interactive dashboards in Kibana summarizing logs from over 1k RBC services- Implemented solutions to decrease latency of streaming logs from Docker containers to Elastic	
Research Assistant — Intelligent Visual Interfaces Lab (New Brunswick, NJ)	2/2020 — 9/2021
<ul style="list-style-type: none">- Co-Authored a paper in the research of Node-Level Embedding for Directed Cyclic Graphs- Used the Snap, NetworkX, NumPy and Gensim libraries for graph cycle detection and Cross Validation- Used PyTorch to generate KNN layers for directed cyclic graphs	

Hackathons

RUHome? — Best Use of Twilio API HackNJIT 2019
<ul style="list-style-type: none">- Smart doorbell with integrated Azure facial recognition and Twilio text alerts using Python- Uses a model trained with images from Flutter app and Firebase to find name of person at the door
GarbageTrack — Best Use of IoT HackTCNJ 2019
<ul style="list-style-type: none">- Uses a DragonBoard 410c to measure amount of garbage in any bin using GPIO in C- Updates status of all bins on a Google Map in realtime using Java, Android Studio, and Firebase
RUSingle? — HackTCNJ 2020
<ul style="list-style-type: none">- Builds a Random Forests model with scikit, numpy and pandas based on user preferences on tinder- Automate the left and right swiping process by analyzing faces and predicting the outcome with selenium
Twitter Dashboard — Best Social Justice Hack HackDown 2020
<ul style="list-style-type: none">- Uses the Genism library to create an LDA topic model on news articles- Given a twitter username, uses Flask and ReactJS to show user's most tweeted about topics

Leadership/Outreach

Rutgers Club Swimming Treasurer — Created a budget and handled transactions of more than \$15,000 for a team of 60 swimmers. Also created a website with ReactJS and deployed with Heroku .
Teaching/Learning Assistant — Taught CS111 (Intro to CS) and MATH123 (Prep for Calc) Fall 2019
USACS Peer Mentor — Mentored freshman computer science students by advising in class selection and helping with coursework at the Cave in Hill Center