

ADITYA SINGH

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

Expected Graduation Date: May 2022

Bachelor of Science, Computer Science

GPA: 4.00

Concentrations: Intelligence & Theory

WORK EXPERIENCE

T-Mobile | Marketing DevOps Team

June 2020 – August 2020

Software Engineer Intern

- Built a full-stack application to assist DevOps Engineers in monitoring/resolving big data job workflows
- Optimized the job failure resolution process for Senior Engineers by 50% by transferring their daily logging responsibilities from an Excel Spreadsheet to an internally deployed web application
- Performed live updates by regularly scanning a REST API to provide insight on the status of over 1,000 job failures stored in a PostgreSQL Database
- Wrote batch processing scripts in Azure Databricks to analyze financial/customer data from T-Mobile offices

NIST | Software and Systems Division

June 2019 – August 2019

Software and Systems Intern

- Gathered data from infrared sensors used to measure foot traffic in high-volume, public locations
- Scripted regression models using TensorFlow and Python to extract sinusoidal patterns in collected foot traffic data and extrapolate said patterns to make predictions into the future

PROJECTS / RESEARCH

“ViewMarks” | Photo Sharing Mobile Application

June 2020 – July 2020

- Created (independently) a location-based photo sharing application allowing users to share aesthetic views from around the globe and rate other people’s picture-based posts using React Native and Expo
- Implemented a backend server in Node.js to seamlessly upload mobile camera images to an AWS S3 Bucket and store post information on MongoDB

“FoodFun” | Recipe Web Application

March 2020 – May 2020

- Developed (independently) a web application for users to search from thousands of unique recipes and leave comments/ratings for others to view
- Created a REST API to handle and store comments and star-based ratings for any given food recipe
- Implemented the Edamam API for Developers to handle the recipe search requests and responses

Named Entity Recognition | GT Undergraduate Research

October 2019 - February 2020

- Web scraped company 10-K files to extract relevant financial information with Selenium in Python
- Trained spaCy’s NER (Named Entity Recognition) Model to identify novel company names from scraped text
- Developed an expansive Knowledge Graph to visualize the model’s findings

“TUBE” | Tutoring Mobile Application

October 2019 – March 2020

- Developed an Android Application to instantly connect tutors and students on campus
- Implemented a Messaging API to provide instant communication between users and tutors
- Created backend framework to store user/tutor requests and information through Firebase

SKILLS/TOOLS

Programming Languages: Java, JavaScript, Python, SQL, CSS/HTML

Concepts/Coursework: Data Structures and Algorithms, Machine Learning, Object-Oriented Programming, Agile/Scrum, Web Development (Self-Taught), Android/iOS Development (Self-Taught)

Frameworks/Technologies: React.js/React Native, Node.js, PostgreSQL, MongoDB, Git, Hadoop, Spark, Azure, AWS