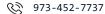# Nithi Kumar

✉ nithik181@gmail.com  📞 973-452-7737  🏠 www.linkedin.com/in/nithi-kumar/  ⊚ github.com/nithi0105

## Experience

### Technology Summer Analyst (Applications Developer) @ Morgan Stanley
June 2020 – Aug 2020 // New York City, NY

- Utilized Java and Angular UI in Agile/Scrum workflow to transform outmoded trading desktop app to web app with hopes of improving trader efficiency by 20%
- Improved efficiency by streamlining Sybase database access with new Java API calls and advanced SQL queries to showcase relevant Securitized Deal information

### Systems and Applications Developer Intern @ Prudential
June 2019 - Aug 2019 // Roseland, NJ

- Worked with a team of three tech interns to deliver reporting enhancements to the Employer Portal, improving customer utilization by over 50% from previous usage, by using Java and data analysis of over thousands of external-facing claims reports using VB and SQL
- Managed Agile/Scrum team as Scrum Master and achieved subject matter expertise in Cognos reporting

### Research Assistant @ InfoSeeking Lab
Jan 2018 - Jan 2019 // New Brunswick, NJ

- Analyzed machine learning code written in Python with other libraries such as NLTK, Pandas, and Beautiful Soup
- Built Improved research tool, as requested by clients, by adding new APIs and system to track all user steps through research process into exported CSV with Python, Flask, Mongo dB
- Streamlined and tested different user scenarios with graduate team for better test results from 15% to 40%

## Projects

### Git Version Control System
- Worked in a team of two to implement a version control system with network protocols where the server maintained a repository of projects and the client committed and fetched updates to and from the server's repository
- Personal main focus was client/server architecture with TCP sockets and integrating client commands / writing add, remove, create, destroy client functionality using C

### Cache Simulation
- Developed program, using C, that reads a trace of memory accesses and simulates behavior of cache for that trace with CRUD operation, FIFO replacement policies, and calculates cache hits and misses

### HDFS and MapReduce Simulation
- Worked in a team of two to simulate HDFS actions for storing large files on local machine by creating NameNode open(), close(), list() and DataNode write(), read() Java APIs and using RMI for backend Client/Server communication
- Personal main focus was DataNode functions to write file contents into blocks and read block contents back to file
- Used MapReduce to calculate image impact on Reddit data

## Skills

**Technical Languages**
Java, C, Python, HTML, CSS

**Analytics & Frameworks**
SQL Server, Hadoop, MapReduce, Matlab, Jekyll, Bootstrap

**Tools & Systems**
Git, Windows OS, Linux OS

## Education

### Rutgers University New Brunswick
Grad Date: Jan 2021 // GPA: 3.526

**Major:** B.S. Computer Science
**Minor:** Business Administration
School of Arts and Sciences Honors Program
**Dean's List:** Fall 2017, Spring 2019, Fall 2019, Spring 2020
**Honors:** GHC Scholar 2020, RTC Virtual Summit Member 2020, Mentor and member of Douglass Residential College SAS DIMACS CS LLC

**Relevant Courses**: Data Structures, Computer Architecture, Systems Programming, Databases, Internet Technology, Distributed Systems

## Activities

**Community Outreach Director | WiCS**
Manage CS Mentorship and Incentive Program in collaboration with Rutgers tech clubs.
Organize Ladies in Tech Meetup with over 100 attendees.
Lead Percentage Project initiative at Rutgers; visual campaign that highlights microaggressions in tech fields.

**Lead Ambassador | BUILT BY GIRLS**
Recruit women all over the country to join Wave, BBG mentorship program, and represent BBG at technical conferences
Host monthly meetups as safe space for women to discuss internships, academics, and expanding networks

**Events Director | HackHers**
Managed all day-of events and scheduling; organized volunteers on day-of
Collaborated with STEM clubs and company reps to host technical workshops

**Marketing Organizer | HackRU**
Responsible for posting creative content (stories and posts) for Instagram, Facebook and Medium