# Rakshith Siddanahalli Murukannappa

Stony Brook, New York

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## Education

**MS In Computer Science | Stony Brook University, New York | GPA: 3.4** *Jan 2021*
- Relevant Courses: Analysis of Algorithms, Theory of Databases, Object-Oriented Programming

**BE In Electronics and Communication Engineering| NMIT, India | GPA: 3.6** *April 2017*

## Technical Skills

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| Programming Languages | Java, C#, C, Python, HTML, JavaScript, CSS, SQL, Ruby |
| Libraries, Frameworks | React, Angular, jQuery, node.js, Ruby on Rails |
| Database | MSSQL, MongoDB, Redis, Postgres |
| Deployment Tools & Processes | AWS, Git, JIRA, Unit Testing, Agile |

## Relevant Experience

**Software Development Intern | CONQUER.MONEY, New York | Jun 2020 – Aug 2020**
- Developed Conquers' first Proof-of-Concept of a Credit Card Recommender using **Scrapy** and **Selenium** to crawl websites and extract Credit Card Benefits. [React, Plaid API, Java, MSSQL on AWS, CICD, Swagger]
- Developed the User Authentication Module and User Dashboard using React components. Deployed packaged web app for various app store portals using Apache Cordova. [JavaScript, JSX, Apache Cordova]
- Developed a **Blockchain** based credit reporting tool that allows borrowers to make their credit reports more transparent, accurate and securely shareable to obtain loans quicker bypassing Credit Rating Agencies.

**Software Engineer | Eurofins, India | Jan 2018 – Aug 2019**
- Developed clean, well-documented, and easy to use REST API to price E-Commerce items using Redis, MongoDB. Implemented Asynchronous programming for simple IO intensive operations resulting in better performance [Followed **Agile** methodology].
- **Optimized application performance** by migrating data from SQL to REDIS and implementing caching strategies. Request processing time **improved by 300%** (300ms to 10ms)
- **Automated** order failure processing and achieved a **20% reduction** in manual hours for the support team.
- Created an **Amazon Alexa skill** to place orders and answer FAQs through the Echo and implemented a **cross-selling feature using ML** into the existing ecommerce application to recommend other products.

**Associate Software Engineer | Subex, India | Apr 2017 – Dec 2017**
- Developed an application to manage Fraud in on the telephone network. Responsible for data cleaning, missing value imputation, feature engineering and application of a collection of algorithms to build the model and present insights.
- Participated in all phases of the software development life cycle, including requirements gathering for the e-commerce website, functional and technical design, development, testing and roll-out. **Spearheaded team presentations and demoes**.

## Relevant Projects

**Twitter #Codechella Hackathon | Virtual | Nov 2020**
- Twitter Friend Finder – NLP based Web application to recommend user profiles that a user might be interested in following based on the tweets they like and interact with. [Embedding using InferSent, Entity Recognition using Spacy]

**Video Chat Application | New York | Nov 2020**
- Created a node.js application to stream audio and video to the connected device hosted on an AWS EC2 instance [node.js, WebRTC, socket.io]

**Microsoft MTA Hackathon | New York | Jul 2020**
- Hacked a mobile application to enable COVID safe distancing using passenger data, live camera feeds and predicting train occupancy using ML to help passengers make better decisions. [Python - Cascade Classifier and Linear Regression]

## Accomplishments & Extracurricular

- Run a technical blog where I share all my technical findings and tutorials at https://rakshithsm.com/blog.
- Young Achiever Award - Awarded for diverse contributions and participation.
- Trained & mentored Undergraduate Interns on SOLID principles, and design patterns in the fresher program at STUDSAT.