

# RAKSHITH MURUKANNAPPA

[rakshith.murukannappa@gmail.com](mailto:rakshith.murukannappa@gmail.com)

[rakshithsm.com](http://rakshithsm.com)

+1-631-710-8559

[github.com/maxrovr](https://github.com/maxrovr)

## Education

**MS In CS | Dec 2020 | Stony Brook University**

GPA: 3.3

- Courses: Analysis of Algorithms, OS, Theory of Databases, Data Science Fundamentals

**BE IN ECE | JUN 2017 | NMIT**

GPA: 9/10

## Technical Skills

Programming Languages	Java, C#, C, Python, HTML, JavaScript, CSS, SQL
Libraries, Frameworks	React, Angular, jQuery, Node
Database	MSSQL, MongoDB, Redis
Deployment Tools & Processes	Git, JIRA, Unit Testing, Agile

## Experience

**Software 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.
- 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 | Jan 2018 – Aug 2019**

- Developed a REST API's to price E-Commerce items using Redis, MongoDB. Implemented Asynchronous programming for simple IO intensive operations resulting in better performance.
- **Optimized application performance** by migrating data from SQL to REDIS and implementing caching strategies. Request processing time **improved by 300%** (300ms to 10ms)
- Delivered a **Universal Database Tool** to simplify the task of querying different databases by providing an option to connect, edit and add the database connections for multiple databases via a single interface.
- **Automated** order failure processing and achieved a **20% reduction** in manual hours for the support team.
- Streamlined ticket resolving process by creating an application to monitor ticket status integrated with workflow functionality. Processing time of tickets **improved by 35%**.
- 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.

## Projects

**[Crypto-Miner "Problem Solver"](#) | Mar 2020 – A facility for concurrently solving computationally intensive "problems"**

- Manages a collection of "worker" processes that concurrently engage in solving computationally intensive problems e.g. a Crypto-Miner.

**Credit Card Fraud Detection | Dec 2019 – Benchmarked machine learning models on a challenging large-scale dataset**

- Improved the efficacy of fraudulent transaction alerts for millions of people around the world by investigating and performing exploratory data analysis of credit card transactions.
- Predicting fraudulent transactions using time of day, the number of days elapsed since site login, access location.

**Microsoft MTA Hackathon | 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.

**Movie Popularity Predictor | Dec 2019 - Predicted current popularity using variables known at its time of release**

- **Quantified** each film for how much more/less popular it is than it "should be". **Researched** histories to identify what the major films from each period are. Performed **sniff tests** to check validity of hypothesis.

**[Custom C Memory Allocator Library](#) | Mar 2020 – Memory Allocator for the x86-64 architecture**

- Free lists segregated by size class, using **first-fit policy** within each size class. Immediate coalescing of blocks on free with adjacent free blocks. Boundary tags to support efficient coalescing.