

Education

MS In Computer Science | Stony Brook University, New York | GPA: 3.3

Exp. Graduation: March 2021

- Relevant Courses: Analysis of Algorithms, Theory of Databases, Object-Oriented Programming, Computer Networks

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

April 2017

Technical Skills

Programming Languages	Java, C#, C, Python, HTML, JavaScript, CSS, SQL, Ruby
Libraries, Frameworks	React, Angular, jQuery, Node, Ruby on Rails
Database	MSSQL, MongoDB, Redis, Postgres
Deployment Tools & Processes	Azure, 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 Azure, Azure 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 [Hosted, maintained on **azure**].
- 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.
- **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.
- 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.

Relevant Projects

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]

Credit Card Fraud Detection | Dec 2019

- Benchmarked machine learning models on a challenging large-scale dataset [Python, Jupyter (scikit, seaborn, pandas)]
- 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.

Movie Popularity Predictor | Dec 2019

- Predicted current popularity using variables known at its time of release [Python, Jupyter (scikit, seaborn, pandas)]
- Used techniques such as Cosine similarity, Pearson correlation and item based collaborative filtering to achieve RMSE of 0.9.

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.