

# Rajat Rajarama Hande

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## EDUCATION

- **Stony Brook University, New York, USA** Master of Science in Computer Science *Aug 2019 – Dec 2020*  
Courses : Analysis of Algorithms, Data Science, Distributed Systems, Big Data, Visual Analytics *3.35*  
Teaching Assistant : Designing and conducting Object Oriented Programming with Java Laboratory.
- **SJCE, JSS&IT University, Mysore, India** Bachelor of Engineering in Computer Science *June 2012 – June 2016*  
Courses : Data Structures, Computer Networks, Operating Systems, Information and Network Security *8.69*  
Linux Campus Club : Executive member of LCC, SJCE.

## TECHNICAL SKILLS

**Languages:** Java (3 yrs), JavaScript /Typescript (3 yrs), Python (1 yrs), C++ (1 yr), Android (1 yr), Golang

**Web Technologies:** Angular 8.x Framework, Bootstrap, PHP, RxJS, d3.js

**Frameworks & DBs:** Spring, MEAN Stack, Apache Spark & Hadoop, MySQL, PostgreSQL, MongoDB

**Technologies:** Git , GCP Stack, AWS Stack, Maven, Jenkins, Agile Methodologies, LaTeX, Cloud kit

## WORK EXPERIENCE

- **Mobileware Inc. New York, USA.** **Software Engineering Intern** *June 2020 – Present*
  - iXpenseIt – An expense management web application [MEAN Stack, Parse, Cloud kit]
    - Designing and developing a web application along with sync with the mobile versions.
- **Motorola Mobility, Bengaluru, India** **Software Engineer** *Jan 2016 – July 2019*
  - User Opinion Insights (UOI) [Angular 4.x Framework, Web Development]
    - Managed the web service development team and drove the project to completion in 8 months.
    - Set up the data pipeline for opinion extraction using different data extraction techniques.
  - Moto Engage™ - Notifications [Firebase Cloud Messaging, Angular JS]
    - Developed an Angular based web portal to empower batch campaigning reducing notification generation time by 40%.
  - Moto Place™ - Content Management System [Angular 5.x Framework, Spring MVC Framework]
    - Designed and constructed a portal to analyse the news and ad contents to be sent via Moto Place.
  - Android Development [Android, Shell Scripting, Python]
    - Upgraded the Android framework applications used to synchronize with Motorola servers to latest renditions of Android.
    - Composed shell scripts to generate Android System builds on Jenkins.
  - GCP Optimizations [Google Cloud Platforms, Java]
    - Achieved cost reduction of 8% by optimizing the usage of Memcache on GCP.
- **ARM Embedded Technologies, Bengaluru, India** **Intern** *May 2015 – July 2015*
  - Data Hazards Simulation [C++]
    - Analysed data hazard scenarios generated by the verification tools on faster simulation models using C++.

## PROJECTS

- **Bring MTA back on track, Metro North Railroad** [Azure Cloud Stack, Ionic/Cordova Hybrid , Data Science] *July 2020*
  - Hackathon to build application to ensure safety of MNRs riders (with machine learning). [YouTube](#) [GitHub](#)
- **Analysing Network-Wide Patterns of Rail Transit Delays** [MongoDB, Express JS, Angular 8, Node JS] *Jan – May 2020*
  - Retrieval and analysis of crowd source data collected using [this](#) application across LIRR. [GitHub](#)
- **Realising SDG (WHO) using Big Data** [ Big Data Analytics, PySpark, Hadoop, TensorFlow] *May 2020*
  - Identify the factors contributing to deaths due to Air pollution and Traffic accidents. [Link](#) [GitHub](#)
- **CricViz – Statistical Analysis in Cricket** [ Angular 8, d3.js (v4), Python3, Flask] *May 2020*
  - Visual Analytics and Scoring of Cricket Players based on their performance. [Link](#) [GitHub](#)
- **Amazon Books Recommendation System** [Big Data Analytics, PySpark, Hadoop] *Apr 2020*
  - Designed an item-item collaborative filtering based recommendation system. [GitHub](#)
- **IEEE-CIS Fraud Detection** [Data Science, Python, Pandas, Plotly] *Sept 2019*
  - Developed machine learning models to detect fraudulent transactions with an accuracy of 80%. [GitHub](#)
- **Replicated State Machine** [ Distributed Systems, Golang] *Sept – Nov 2019*
  - Implemented a Fault Tolerant Key Value storage system using RAFT algorithm.