RAJAT RAJARAMA HANDE

(631)428-5876 rajat.hande@stonybrook.edu Stony brook \rajatrh \rajatrh

EDUCATION

- **Stony Brook University, New York, USA** Master of Science in Computer Science *Aug 2019 – Dec 2020*
  Courses : Analysis of Algorithms, Data Science, Theory of Database Systems, Distributed Systems, Big Data
  Teaching Assistant : Designing and conducting Object Oriented Programming with Java Laboratory.
- **SJCE, JSSS&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
  Linux Campus Club : Executive member of LCC, SJCE.

TECHNICAL SKILLS

Languages: Java (3 years), Android (1 year), Python (1 year), C++ (1 year), Shell Scripting (6 months), Go (3 months)

Web Technologies: Angular 5.x Framework/Typescript (3 years), HTML (4 years), CSS (4 years), Bootstrap (2 years), PHP (1 Year), RxJs (1 year), RESTful Web Services, Ajax (1 year)

Frameworks & DBs: Spring (6 months), MEAN Stack, MySQL (1 year), PostgreSQL (3 months), MongoDB (2 months)

Technologies: Git , GCP Stack (6 months), Maven (3 months), Jenkins, Agile Methodologies, Material Design, LaTeX

WORK EXPERIENCE

Motorola Mobility, *Bengaluru, India* **Software Engineer** *July 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.

Motorola Mobility, *Bengaluru, India* **Intern – Cloud Technology** *Jan 2016 – June 2016*

- 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

Analysing Network-Wide Patterns of Rail Transit Delays [MongoDB, Express JS, Angular 8, Node JS] *Jan 2020 – Present*
- Retrieval and analysis of crowd source data collected using this application across LIRR.

Replicated State Machine [Distributed Systems, Golang] *Sept 2019 – Nov 2019*
- Implemented a Fault Tolerant Key Value storage system using RAFT algorithm.

Web of Company Ownership [Theory of Databases**,** PostgreSQL, XML, XQuery, JSP] *Sept 2019 – Dec 2019*
- Developed Database Systems using Flora-2, Object-Oriented Extensions of SQL, XQuery language.

IEEE-CIS Fraud Detection [Data Science, Python, Pandas, Plotly] *Sept 2019*
- Developed machine learning models to detect fraudulent transactions and achieved an accuracy of 80% on Kaggle.

AMES House Price Prediction [Data Science, Python, NumPy, SciKit] *Oct 2019*
- Practiced feature engineering on housing data-set from AMES, Iowa. Achieved error percentage of 15%.

VoicAna [Motorola Hackathon, Google Cloud Platform , Java, Spring Boot, Angular 5] *Dec 2017*
- Set up a pipeline to analyse customer complaints as a part of an International hackathon at Motorola.

Performance Analysis of Businesses in Social Media [NLP, Weka, Web Development] *Jan 2016 – June 2016*
- Worked on information retrieval techniques and developed a platform to compare specifications of products.
- Achieved 72% accuracy through sentiment analysis on reviews obtained via social media platforms in real time.