

EDUCATION

University at Buffalo | Buffalo, New York | Expected February 2021

Master of Science, Computer Science - **GPA 3.77/4**

Coursework: Analysis of Algorithms, Object Oriented Design, Introduction to Machine Learning, Information Retrieval, Distributed Systems, Data Model Query Language, BlockChain Application Development*

Anna University | Chennai, India | May 2017

Bachelor Of Engineering, Computer Science - **GPA 7.19/10**

SKILLS

- Languages: C, C++, Java, Python.
- Web Technologies: HTML, CSS, JavaScript, Ajax, XML, REST API.
- Framework : ReactJS, React native, Python-Flask, JSP, JSF, Google Guice, Mockito.
- Database Systems & Query language: QLDB, MySQL, Microsoft SQL server, XQuery.
- Cloud technologies(AWS) : EC2, RDS, S3, IAM, ODCR.

WORK EXPERIENCE

Software Development Engineer Intern | **Amazon Web Services** | Seattle, United States| May 2020 - Aug 2020

- Built a service which provides a consolidated view of current and historical capacity reservations including all lifecycle events without affecting the service efficiency, database throughput.
- Designed and implemented REST API to fetch the tombstone data from S3 bucket.
- Increased the productivity of developers to solve the issues in minutes which took hours and days before.

Skills Acquired: Java, Google Guice, JSP, SpringBoot, QLDB, Mockito, EC2 ODCR, S3, Yaml.

Software Engineer | **Newgen Software Technologies** | Chennai, India | August 2017 - July 2019

- Involved in integrating with the core banking system(using REST API) for customer details and account creation. Generating documents with predefined bank specific templates.
- Provided post development support for upgrades/changes/enhancements done on production(Live) environment. Performed root cause analysis and suggested enhancements to Project manager & team mates. Developed stored procedures, SQL jobs for report Generation. Performed Unit testing for various projects.

Skills Acquired: JSF, MySQL, Java, JavaScript, XHTML, CSS, HTML, jQuery (Basics), JSP (Basics), REST API.

ACADEMIC PROJECTS AND PUBLICATIONS

- **Tweet Analyzer (ReactJS, CSS, Python Flask, AWS EC2)**
Developed a search engine that captures a user query, retrieves the relevant tweets using solr, performed sentiment analysis, Topic modulation(using LDA algorithm). **Daator** and **DaatAnd** algorithms are implemented and ranked using **tf-IDF** to retrieve relevant tweets and display a statistical view of the retrieved results using plotly, hosted in AWS EC2 instance.
- **Cross-platform mobile App(Expo, React native, Redux, NodeJS, AWS RDS, S3, EC2, Stripe, MSSQL)**
Built mobile app that connects freelance entertainers, artists, and socialites to businesses and hosts that are looking to hire entertainers to their events. Implemented search, sort, push notification, email verification, Image or Video upload, facebook login and payment option using stripe.
- **Simple Amazon DynamoDB (Android - Java)**
Implemented distributed hash table(DHT) for ring routing of operations such as insert, query & delete. Handled nodes (android AVDs) crashes, recovery, failure and re - jions seamlessly and concurrently while other nodes perform operations.
- **Group Messenger with Total and FIFO ordering Guarantees (Android - Java)**
Developed a system to send multicast messages to multiple AVDs by implementing ISIS algorithm for Total(ISIS) and FIFO ordering. Messages exchanged were stored as key-value pairs and the implementation was capable of handling failures of AVDs.
- **Published a Research paper in the topic "Money Generation By Utilizing Idle Time Of Computers Through Innovative Cloud Storage Outsourcing" in IJSER Journal. [PublishedLink](#)**