# Muhamed Aashiq Mohamed Ibramsha

+1 (716) 748-9392 | muhamedaashiqtce@gmail.com | linkedin.com/in/muhamed-aashiq | aashiq.dev

## EDUCATION

**University at Buffalo, The State University of New York** — Buffalo, NY
*Master of Science in Computer Science and Engineering, CGPA: 3.92/4* — *August 2021 – Present*

**Thiagarajar College of Engineering** — Madurai, India
*Bachelor of Engineering in Mechatronics, CGPA: 8.39/10* — *June 2015 – May 2019*

## EXPERIENCE

**Facilio (Startup)** — Chennai, India
*Full Stack Developer* — *July 2019 – July 2021*
- Devised web pages for an email-based ticket support system
- Implemented Estimation module with customization support
- Digitised paper-based vendor work permit flow
- Revamped and maintained history data import of sensor readings and modular data to database
- Executed safety plan implementation for Hazardous work environment

*Internship* — *January 2019 - June 2019*
- Developed front end web pages for complete inventory management flow cycle starting from purchase request to return of used inventory
- Enhanced web pages for Contract & Asset maintenance

## PROJECTS

**Lamda - Twitter search engine (Demo)** | *Vue.js, D3, Django, Solr, AWS* — *October 2021*
- Collected more than 350k COVID related tweets using Twitter API and evaluated sentiment analysis using Google Natural Language AI
- Built a search engine with advanced query filters and analytics
- Analyzed and visualized general populations attitude towards COVID, vaccine hesitancy, official handles influence on general masses, and correlation between tweet count with COVID cases

**Pub-sub model for real estate info (Demo)** | *Vue.js, Flask, MySQL, Docker, Kafka, Firebase* — *September 2021*
- Built a distributed pub-sub model using docker containers for real-time notification using web sockets
- Prototype model demonstrates horizontal scaling of the system by distributing the load to independent brokers running on a decentralized network connected to a Database

**Quad bot** | *Arduino, 3d Printing, Servo Motors* — *June 2018*
- Constructed a Four-legged walking robot (Quad bot) using Fusion Deposition Modeling which advances state-of-the-art in robotic quadruped locomotion over rough terrain
- Integrated robot to a mobile app through NodeMCU module and implemented wireless control

## TECHNICAL SKILLS

**Languages**: JavaScript, Python, C++, Java, SQL, HTML, CSS
**Frameworks**: Vue.js, React, Node.js, Spring Boot, Flask, Django, Docker, Kafka, Solr, Sass
**Developer Tools**: Git, AWS, Firebase, VSCode

## ACHIEVEMENTS

- All India Rank 22 in 2nd Indian Engineering Olympiad (National Level)
- Finished up as one among top 8 teams in Smart India Hackathon 2017 (National Level) under the Department of Industrial Policy Promotion for building a mobile app from scratch within 48 hours as a group of 8 members

## LANGUAGES

English, Tamil, Hindi

## HOBBIES

Cycling, Cooking, Gardening