

# Mohit Goyal

+1(315) 278-7013 | [mogoyal@syr.edu](mailto:mogoyal@syr.edu) | [www.linkedin.com/in/moitgoyal](http://www.linkedin.com/in/moitgoyal) | [mohitgoyal.info](http://mohitgoyal.info) | <https://github.com/moitgoyal>

## EDUCATION

---

**MS in Computer Science, GPA 3.78** August 2017 – May 2019  
Syracuse University, Syracuse, NY

**Bachelor of Technology in Information Technology, GPA 7.4** August 2011 – May 2015  
YMCA University of Science & Technology, Faridabad, India

## TECHNICAL SKILLS

---

Certifications: **Microsoft Certified Professional in developing Microsoft SharePoint Server 2013 Core Solutions.**  
Programming: **C#, C, C++, Java, Python, Kotlin, HTML, CSS, ASP.NET, JavaScript, jQuery, Ajax, Bootstrap, MySQL, SQL.**  
Tools: **Visual Studio, Android Studio, MS SQL Server, Eclipse, Microsoft SharePoint 2013, Play Framework, Weka, Git, Trello.**

## TEACHING EXPERIENCE

---

**Graduate Teaching Assistant**, Syracuse University, Syracuse, NY January 2019 – May 2019

- Graduate Teaching Assistant for **Design and Analysis of Algorithms (CIS 675)** course.
- Assisted professor with lectures and programs, Grading exams and assignments, conducting help sessions.

## WORK EXPERIENCE

---

**Full Stack Developer Intern, TempoQuest Inc, Syracuse, NY** April 2018 – January 2019

- Developed web application from scratch for customer ordering, management and payment for weather forecast model.
- Built a multi-level secure authentication mechanism to prevent unauthorized connections.
- Designed and developed the web interface of the application with **HTML, CSS, Bootstrap, Ajax, jQuery/JavaScript.**
- Used **Java on Play Framework** as backend for secure transmission of data and data stored in **MySQL database.**
- Deployed code using **Git version control** and had responsibility of **Unit, Integration and System Testing.**

**Software Engineer, Yamaha Motor Solutions (India) Pvt. Ltd., India** July 2015 – July 2017

- Collaborated with technical and business teams to develop customized DMS for Yamaha subsidiaries on **Microsoft SharePoint** platform.
- Developed back-end using **C#** and wrote DB objects (**stored procedures, views, functions, triggers**) in **SQL Server.**
- Implemented application pages/form in **asp.net** using **Bootstrap, jQuery/JavaScript, Ajax, CSS and HTML.**
- Managed web services and assisted team in **identifying, root-causing and fixing software bugs.**
- Provided **on call assistance** to the client for troubleshooting the issues and handled client's **change requests.**

**Software Engineer Trainee, Yamaha Motor Solutions (India) Pvt. Ltd., India** January 2015 – July 2015

- Developed Leave Management System for Yamaha Employees reducing manual work by **80%.**
- Used **C#** as backend for securely delivering user information and **SQL database** for data storage.
- Designed and developed the web interface of the application using **HTML, CSS, jQuery/JavaScript, Ajax, Bootstrap.**

## ACADEMIC PROJECTS

---

**Nucleus Message Passing**, Syracuse University Fall 2018

- Implemented **Inter-Process communication** using system calls in nachos to communicate between user programs using **C++ STL.**
- Handled cases when one programs is **waiting for message/answer** from another program and Enforced **maximum message send Limit.**

**Android Smart City Traveler**, Syracuse University Fall 2018

- Developed **Android application** to give travel recommendations to wander lusters based on their limited time, preferences and location.
- Integrated **Foursquare places API** to get location details, **Firestore API** for database management and **Kotlin** for programming.

**Audio Feature Extraction and Music Mood Analysis**, Syracuse University Spring 2018

- Developed multilingual **Machine Learning** model to analyze and classify mood of the songs using audio feature extraction tool **jAudio.**
- Wrote **Research Paper** based on the results of this model with another team member.

**Live Plotting and Sentiment Analysis of Tweets on World Map**, Syracuse University Spring 2018

- Developed **Python** project fetching live tweets around world using **Tweepy Library** and sentiment analysis using **TextBlob Library.**
- Plotted Tweets on world map with **color-coded sentiment** using **Basemap Library.**

**Community Detection**, Syracuse University Spring 2018

- Developed **Python** application to detect reciprocal friends and grouped them together using color coded graphs based on their connectivity.

**Online Shopping Comparison Web Application**, YMCAUST YMCA 2014

- Developed Online Shopping comparison web application using **Java** as backend and **MySQL** as database for undergrad project.
- Designed and developed the web interface of the application using **HTML, CSS, jQuery/JavaScript.**