

Harikanth Ghanta

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Education

Masters in Computer Engineering **Stony Brook University, New York** **Aug 2016 - Dec 2017**

Current GPA: 3.63/4

Bachelors in Electronics and Communication **Vellore Institute of Technology, India** **July 2012 - May 2016**

CGPA: 8.54/10

Courses:

Analysis of Algorithms	Data structures in Java	Mobile Cloud Computing
Pattern Recognition	Networking Algorithms and Analysis	Computer Organization Architecture

Technical Skills

- **Programming languages:** Java, C#.NET, Python, JavaScript, HTML, CSS, jQuery, SQL, Matlab
- **Technologies:** ASP.NET Core, React.js, Android SDK, Firebase, Google Cloud Platform
- **Miscellaneous:** Working Knowledge of Agile Methodology, Cloud Computing, Git, JSON and RESTful Web Services

Experience

Software Developer Intern **Jasmine Universe** **Jun 2017 - Aug 2017**

- Designed and developed a dynamic Web Application for controlling and monitoring Nest Thermostat using C#, ASP.NET Core Framework.
- Implemented technologies such as Rest Streaming and Web Sockets. Rest streaming to get live data changes from Nest API and Web Sockets for full duplex communication between our server and web client.
- Implemented a web hook for the Google Home device to read and set the temperature with voice commands with the help of API.AI and Google Cloud Platform.

Graduate Teaching Assistant **Stony Brook University** **Jan 2017 – May 2017**

- Course: Software techniques for Software Engineers. Assisted Professor in developing teaching materials, designing projects; led weekly meetings to clarify doubts in assignments.
- Learnt how to debug and test the code using Junit in limited time while correcting student's assignments.

Projects

Dimensionality Reduction and Classification: **March 2017**

- Classified Real World datasets like Adult dataset, Spam dataset and a generated dataset using Bayes classifier and Decision Tree Classifier. Achieved a classification accuracy of 95%.
- Reduced the dimensionality of datasets and compared the accuracies of both the classifiers.

Technologies Used: Python

Ride on Android Application: **March 2017**

- Created an Android application where users can create a ride, join rides created by others. Google Firebase is used as backend.
- Learnt how to store and retrieve data in cloud, how to authenticate users from Firebase UI. Also, learnt how to dispatch emails from android application, also to create calendar events of created rides.

Technologies Used: Java, Android Studio, Google Cloud Platform

Modern Text Editor Application: **January, 2017**

- Developed a smart text editor/processor that incorporates "intelligent" behaviors of modern-day text interfaces including autocomplete, flagging misspelled words and spelling autocorrect in Java.
- AutoComplete is achieved by Tries data structure. Worked on the back-end code of the application. Utilized my knowledge of data structures in this project.

Technologies Used: Java, Eclipse IDE

Find the lost ones Application: **April, 2016**

- Designed and Developed an Android application which can help find the missing child. Using our app, one can capture image of any missing child and send it to the central database where we used a Face recognition algorithm in Matlab to search the correct face among other faces in the database.

Technologies Used: Java, Android Studio, Matlab