Piyush Agade

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Education

May 2017 — **Master's in Computer Science**, University of Florida (**GPA**: 3.45)
Courses taken- Analysis of Algorithms, Computer Networks, and Social Network Computing, Advanced Data Structures, Database Management Systems, and Introduction to Cryptography.

July 2014 — **Bachelor's in Electronics and Telecommunications Engineering**, Maharashtra Institute of Technology, University of Pune (First Class with Distinction)

Technical skills

Programming Languages: C, Java, JQuery, Python, PHP, HTML, CSS, MySQL.
Software: Eclipse, LABVIEW, MATLAB.
Spoken Languages: Marathi (Native), Hindi (Fluent)

Projects

Apr-June'16 — **Mute-On-Call** (In Progress), Individual Project
Developing a cross-platform volume control application, that mutes music/sounds on all registered devices when the cell-phone rings.

Feb-June'16 — **UniClip!**, Individual Project
Developed a cross-platform clipboard synchronization application. The application is currently supported on Android and Windows PC.

Jan-Apr'16 — **Soccer Statistics System**, University of Florida
The project involves collecting data collected from the web to create a database and use it to analyse and find interesting correlations between various players, leagues, etc.

Aug-Dec'15 — **BitSync**, University of Florida
Developed a P2P file sharing system using **Java**. The system is fully capable of splitting and joining the file chunks on every peer, besides file sharing.

Aug-Dec'15 — **Viral Marketing Influence Propagation**, University of Florida
Implemented two influence propagation algorithms in **Python**, one based on Linear Thresholding, and the other on Independent Cascading model of influence propagation; And also developed a web interface that uses a **JS** visualisation library to display the output of the two implemented algorithms.

Jan-Apr'14 — **Spatially Scalable Video streaming based on Network Traffic**, MIT Pune
Developed a system capable of dynamically scalable video streaming over a network depending on the network traffic, and accordingly change the resolution of the video being streamed by the media server.

Aug-Nov'13 — **Electronic Control Unit & Skid Detection on a Motor Bike**, MIT Pune
Developed a system that could detect skidding and estimate other driving parameters such as acceleration and tilt of a bike. The team also developed a virtual instrument that logs real-time data acquired by a 3-axis accelerometer and feed the acquired data to a **LABVIEW** VI, which simulates and detects skidding, and other conditions like tilting, braking and acceleration.

Other Projects

1) **Website** and **Android** development, and graphic designing for numerous technical and sports events during undergraduate studies at MIT Pune.
2) Designed a website for Petroleum Engg. Dept.'s (MIT Pune) international conference- SPESC' 14.
3) **Hits & Clicks** game (Published on Play Store).