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Education
Master of Science in Information Technology, Software Engineering   QPA: 3.83/4
School of Computer Science, Carnegie Mellon University
Graduating Dec 2015

Bachelor of Engineering - Electronics & Communications Engineering
Anna University, India
Graduated May 2012

Courses
• Mobile Application Development
• Programming for Handheld Systems
• Computer Networks
• Models of Software Systems
• Managing Software Development
• Data Structures & Algorithms
• Architectures for Software Systems
• Analysis of Software Artifacts
• Methods: Deciding What to Design

Experience
Graduate Teaching Assistant, Carnegie Mellon University, Pittsburgh [Aug 2015 – current]
Responsibilities: Teach, assist and grade Methods (17-652): Deciding What to Design

Software Engineer, Ford Motor Company, India [Sep 2012 – Jun 2014]
Responsibilities: Engineer IT solutions for North American supply chain operations

Industry Projects
Decipher – Collaborative Conceptual Graph Editor (CMU - Studio Project) [May 2015 - Dec 2015]
Client: School of Art Institute of Chicago | Role: Lead Developer
- Lead developer in a team of 3 for an end-to-end development of a distributed collaborative graph editor
- Leveraging Django for application development and Node.JS for synchronization of clients
- Architected for real-time collaboration (similar to Google Docs) and will be hosted on Amazon AWS cloud

Agile Requirements Tool (CMU - Studio Project) [Jul 2014 – Mar 2015]
Client: J.P.Morgan Chase & Co | Role: Lead Developer
- Architected key working components for an enterprise Acceptance Test Driven Development suite
- Used Java EE backend with HTML / Bootstrap CSS and MySQL database for persistence
- Helped achieve 70% effort reduction while generating Acceptance Test Specifications through examples

Parts Assistance Centre Online (Ford Motor Company) [Jun 2013 – Nov 2013]
Client: North American Parts Supply & Logistics Division
- Led a team of 3 in the design and overhaul of legacy call tracking system to make it web enabled
- Helped re-use legacy code and wrote interfaces to match new components with old code
- Leveraged ASP.NET stack using C# and Microsoft IIS along with Oracle and DB2 ADO.NET adaptors.
- Awarded Special Recognition for contribution to the project and saving 2 months of development effort

 Academic & Passion Projects
PicoCale – Location Driven Photo Gallery (Carnegie Mellon University) [Jun 2015 – Aug 2015]
- Modelled and developed a location driven gallery app for iOS and Android
- Used CoreLocation, CoreMotion & CoreData APIs to retrieve geo-tagged photos from device
- Leveraged Social Media APIs to retrieve photos from cloud storage like Flickr and share the media to Twitter
- App and Idea ranked among top 2% of submissions by elite panel of mobile experts

Twitter Media Share for iOS (Carnegie Mellon University) [July 2015 – Aug 2015]
- Developed a skeletal gallery application that can be used to conveniently share media to Twitter
- Leveraged PhotoKit & AssetLibrary for handling media and Social framework for sharing media online
- Used Grand Central Dispatch (GCD) and NSURLConnection to asynchronously handle large file uploads

iTripper – Mobile Trip Summary (Ford Global Innovation Challenge)   [Sep 2013 – Nov 2013]
- Designed and developed an Android trip summary app as part of Ford Global Innovation Challenge
- Adjudged as the winner of the Challenge and the app idea was demoed to Ford IT leadership team
- Leveraged Ford's OpenXC Android APIs to interface, collect and process real time vehicular data

 Skills
- Languages: Java • C++ • Objective-C • C# • Python • MATLAB
- Web Technologies: HTML • CSS • JavaScript • AJAX • JQuery • RESTful Web Services
- Frameworks: Java EE • .NET • Django • Android SDK • iOS SDK
- Database Systems: MySQL • Oracle 11G • SQLite • PostgreSQL
- IDE & Tools: Git • Eclipse • Android Studio • XCode • Maven • JUnit • Selenium