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EDUCATION

Master of Science in Computer Engineering, Syracuse University, **GPA: 3.74**   (August'15 – May'17)
Bachelor of Engineering in Electronics & Communication, PES Institute of Technology, India, **GPA: 3.94**   (June'09 – May'13)

TECHNICAL SKILLS

Language: JAVA, Android programming, Swift, C#, .Net, C++, SQL, Ajax, JSP, JavaScript, Oracle SQL, HTML, CSS, XML, PHP, Python
Tools/Software: Android studio, Visual Studio 2015, Xamarin, IntelliJ, Xcode, Eclipse, Microsoft Server Management Studio, Database management, Oracle DB, Google Analytics, Mobile Analytics, XAMPP, Firebase, Microsoft Dynamics AX 2012 R3, Windows Azure

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant for Mobile Application Programming at Syracuse University   (Jan 2017 – Present)

Web & Mobile application developer (co-op) at 3iMobile   (Sept 2016 – Present)
Technology: Android, Java, Google/Firebase analytics, Web services, REST API, SOAP, Backend, Oracle DB, Oracle SQL, HTML, AJAX, Tomcat Server, iOS, Swift, Xcode, CSS, JSP, JavaScript, Product flavoring
- Design and development of an interactive Android & iOS App used for learning English language for international students
- Identify defects, bug fixing, tracking usage with Firebase Analytics and creating multiple flavors(versions) of the app
- Maintain and update functionalities to the 3iMobile web application, handling database queries, updating UI fields, etc.
  Playstore Link: https://play.google.com/store/apps/details?id=com.app.mobile3i&hl=en

Android developer intern for Motion Sensing Wearables at Intugine Technologies   (May 2016 – July 2016)
Technology: Android, Java, BLE, Internet of Things (IOT), Nimble Ring, Speech Recognition, Google fit API, Events, Services
- Implemented gesture recognition algorithms using the data fetched from Smart Ring (Nimble) over Bluetooth Low Energy
- Controlled video player, music player and Philips smart lights using the gestures and point & lock the device feature

Programmer Analyst at Cognizant Technology Solutions, India Pvt. Ltd   (Sep 2013 - July 2015)
Worked on Microsoft Dynamics AX 2012 R3 for UK's leading energy resources client. Project was implemented using agile methodology
- Designed & developed data migration tool using X++ to automate the data import/export process and reduced time consumption
- Designed UI & implemented database back up tool using X++ which avoided the intervention of technical team for backup
- Deployed Dynamics AX tool on Windows Azure cloud services platform which eased coordination between different teams

PROJECTS

Remote NoSQL database: Technology: C#, NoSQL, Visual Studio 2015, XML, SQL operations
- Designed & developed key/value pair database using C# that performs the CRUD operations based on XML files/messages
- The database was persisted periodically into an XML file such that the data can be stored on to an external memory

Code Analyzer: Technology: C++, Visual Studio 2015, Object oriented programming
- Developed lexical scanner to extract content from the code files using state design pattern, OOPS and analyzed the code syntax
- Implemented Abstract Syntax Tree to hold the details of all the scopes present in a source code file along with their metrics

Links Triplets: Technology: Java, Hadoop, Map-Reduce, Eclipse
- Designed Map-Reduce program to get unique page link triplets from a given set of link pairs with all 3-page links in a triplet distinct

Cherry Pick: Technology: Android, Java, REST API, JSON, Cloudinary, UPCDatabase Firebase, Git subversion control
- Developed an e-commerce app where users can sell their products or buy the products listed in the app.
- Provided option to contact and share via email, implemented bar code scanner and used GoogleMaps markers to locate the seller
  Playstore Link: https://play.google.com/store/apps/details?id=com.finalproject.rakesh.cherrypick&hl=en

Voice and Motion Controller: Technology: Android, Java, REST API, JSON, Motion sensors, Google voice to text
- Developed a controller for music player with shake detection using inbuilt sensors and Google speech to text to control the music
  Playstore Link: https://play.google.com/store/apps/details?id=com.rakesh_ap2016.GPMusicController&hl=en

Mobile Analytics: Technology: Android, Java, Google Analytics, Mobile Analytics, Tracking data & users, Google BI
- Integrated google analytics for tracking data of the app to identify points of improvement in the user experience and optimization

Movies Database: Technology: Android, Java, C#, Xamarin, Visual Studio 2015, REST API, JSON, SQLite, Firebase, XML, PHP
- Designed and developed app to extract movies information as a JSON from REST API, storing & updating database on Firebase

Restaurant Finder: Technology: Swift, iOS, Xcode, Firebase, Factual API, Webservice, JSON, FacebookSDK, Maps, Animation
- Designed and developed an application to search for the restaurants based on search category and users can add their recipe

University Database Management System: Technology: MS SQL, Microsoft SQL Server Studio, SQL queries, ER and Data Modelling
- Designed the Entity Relationship Diagram and implemented the data model for a university database system