**Rakesh Nallapeta Eshwaraiah Git Hub:** <https://github.com/rakeshh91>

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**EDUCATION**

**Master of Science in Computer Engineering**, Syracuse University, **GPA: 3.78** (August’15 – Present)

**Bachelor of Engineering in Electronics & Communication,** PES Institute of Technology, India, **GPA: 3.94** (June’09 – May’13)

**COURSES**

Software Modeling Analysis, Object Oriented Design, Advanced Data Structures, Android Programming, Software Engineering, Advanced Computer Architecture, IOS App Development, Human Computer Interaction, Design Patterns.

**TECHNICAL SKILLS**

**Language:**  JAVA, Android programming, Swift, C#, .Net, X++, C++, MySQL, HTML, CSS, XML, JSON, PHP, C

**Tools/Software:** Android studio, Visual Studio 2015, IntelliJ, Xcode, Google Analytics, Mobile Analytics, XAMPP, Firebase, Parse, Git repositories, Microsoft Dynamics AX 2012 R3, Windows Azure, Sublime Text 2, NetBeans, Eclipse, MS Visio, Git subversion control.

**PROFESSIONAL EXPERIENCE**

**Mobile application developer - Android (co-op) at 3iMobile** (Sept 2016 – Present)

* Design and development of an interactive Android App used for learning English language for international students

**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
* Worked with API/SDK’s of other smart products like Philips smart lights
* Controlled video player, music player and Philips smart lights using the gestures and point & lock the device feature
* Worked on end to end home and infotainment automation using the simple gesture movements captured using the Smart ring

Project Demo Link: <https://www.youtube.com/watch?v=LMr31up2hCc>

**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
* Generated alerts to the active users which improved efficiency in team management, deployed tool on Azure (cloud access)
* Conducted training sessions for new joinees in fundamentals of Dynamics AX ERP tool and supply chain management

**PROJECTS**

**Cherry Pick (Android App):** Technology: Android, Java, REST API, JSON, Cloudinary, UPCDatabase Firebase, Git subversion control

* Developed an online buy/sell 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 (Android App):** Technology: Android, Java, REST API, JSON, Motion sensors, Google voice to text

* Developed a controller for default music player using inbuilt sensors and Google speech to voice converter to process the input
* Implemented shake and tilt detections using inbuilt Sensors like Accelerometer, Magnetic field and Gyroscope for motion sensing

Playstore Link:<https://play.google.com/store/apps/details?id=com.rakesh_ap2016.GPMusicController&hl=en>

**Movies DB app (Android app):** Technology: Android, Java, REST API, JSON, SQLite, Firebase, XML, PHP, Git subversion control

* Designed and developed app to extract movies information as a JSON from online API, storing & updating data on Firebase
* Implemented local server using XAMPP (Apache and SQL) and coded in PHP to serve the requests sent by the Movies DB app

**Mobile Analytics (Android app):** Technology: Android, Java, Google Analytics, Mobile Analytics, Tracking data & users

* Integrated google analytics for tracking data of the app to identify points of improvement in the user experience and optimization
* Analyzed and tracked the user’s navigation in the app, visitor traffic and their needs which help improve digital marketing strategies

**Remote NoSQL database:** Technology: C#, NoSQL, Visual Studio 2015, XML

* Designed & developed key/value pair database using C# that performs the CRUD operations based on XML files/messages
* Implemented periodic persistence of the database into an XML file, Built communication between remote client & database

**Code Analyzer:** Technology: C++, Visual Studio 2015

* Developed lexical scanner to extract content from the code files using state design pattern and analyzed the code’s syntax from it
* Implemented Abstract Syntax Tree to hold the details of all the scopes present in a source code file along with their metrics

**CERTIFICATIONS**

* **Microsoft Certified** - Microsoft Dynamics AX 2012 Development and Introduction using X++, **Cognizant Custom certification** on Supply Chain management, **Christ College certified** – French language (Beginner)