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SHABAZ AHMED

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EDUCATION

B.E   **M S Ramaiah Institute of Technology**   **2011 – current**

- Current CGPA(till 5th semester) : **9.2**
- Undergraduate Coursework: Algorithms and Data structures; Operating Systems; Databases; Embedded computing systems ; Comp. Architecture; Engineering Entrepreneurship; etc.

TECHNICAL EXPERIENCE

Projects

- **Prepaid Connection Analyzer and Prepaid Plan Recommender(2014):** It is an Android app which is unfolded in to three parts:
    - First part intercepts the USSD response to track the prepaid balance of the user.
    - Second part provides the user, analytics about his Usage.
    - Third part consist of recommending the user a prepaid plan best suited for him depending on his usage pattern.

  Technologies used: java, Telerik UI, Statistical Analysis. (Won the TechSparks Hackathon using this project.)
- **Smart Street Lights System** (2014). An street lighting/corridor lighting system to save energy where the lights would work at their full intensity only when people or vehicles are detected and would be working at 20% of full intensity when nobody is around and an android app was also developed to control the lighting in real time. (Arduino, C). *Won a Business plan Competition using this as the product*.
- **Universal Mobile Remote** (2013). An android app to control devices which are controlled by infrared signals. The IR codes will be converted to corresponding audio signals and played via headphone jack where a simple device consisting of IR LEDs would be attached. (Java, LIRC Library).
- **App for College Fest (2014).** Developed an Android app for the College Fest "Udbhav" in 2 days coping up with all time changing requirements and addition of new information.
- **Placement Website (2014).** Designed and Developed the Colleges Placement Website. Placement.msrit.edu (PHP, SQL, HTML, CSS).

Languages and Technologies

- C++ (Proficient), C (Proficient), Java (Prior Experience), Java-Script (Prior Experience).
- Visual Studio; Eclipse; Code-Blocks, Linux.

Skills/Contributions

- **Competitive Programming:** I'm avid competitive programmer. I am one of the core members of Code-MSRIT (coding club of MSRIT), I encourage fresher and other students to participate in coding competitions by organizing competition in college and teaching/mentoring them.
- **Open Source Development:** Recently started working on an open source project "KDE-Connect" which is used to communicate between KDE desktop and mobile. I'm working to add the functionality of voice control using Google's Voice to Text Engine.
- **Hadoop / Spark (Beginner)**: Have set up a multi node cluster in college Lab and on AWS. Have also ran some Map/Reduce programs.

Achievements

- Winner TechSparks Hackathon 2014 for PowerPack
- Won a Business plan competition "Pahal" for the smart street light system.
- State level Finalist in Aspirations 2020 Competitive Programming contest by Infosys, Came 2nd in IEEE coding Competition "Algomac".
- Finalist in SAP Lumira Viz Jam, Ayana Hackathon, Sequoia Hackathon, Inmobi Hackathon.