Aravind Reddy Ayuluri

CSE – Third Year – IIIT-Hyderabad

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Education

Dr KKR's Gowtham Concept School	**Gudiwada**
SSC, Scored 93.8 percent	*2008 – 2011*
Narayana Junior College	**Vijayawada**
IPE, Scored 96.3 percent	*2011 – 2013*
International Institute of Information Technology	**Hyderabad**
B-Tech, CGPA:- 7.72(till date)	*2013 – current*

Scholastic Achievements

- Secured All India Rank (AIR) 4879 in IIT-JEE 2013 out of around 1.5 lakh students.
- Secured 284 marks out of 360 in JEE-MAINS 2013.
- Selected for the final round of HACKATHON, conducted by IIT-BHU, Varanasi by developing an Android Application.
- University of Maryland, College Park and Coursera have issued an official Verified Certificate on successful completion of "Programming Mobile Applications for Android Handheld Systems: Part-1" course in Coursera. The verification URL is:
  https://www.coursera.org/account/accomplishments/certificate/PSAYVJTGJ5
- **Open source enthusiast** fixed several bugs as hobby. Can find them on my github account(github.com/aravindkanna)

Experience

Viven Informedia Pvt.Ltd	**Hyderabad**
Android Developer	*June 2015–July 2015*

Developed an Application, **SADDAHAQ**, as a team of two. Developed using Android Studio IDE, Android SDK, Java 7 and the Android AVD. Saddahaq is an application which allows users to write articles about the current social affairs which they feel to communicate with other readers and writers. It also allows users to have a healthy debate with famous personalities through townhall interface.

Shoppers Express	**Hyderabad**
Technical Developer	*March 2015–May 2015*

Shoppers Express is a startup which gives users loyalty through cashback. As a technical developer I, as a part of Internship for 3 months, took active part in the redevelopment of complete website.

OMitra	**Hyderabad**
Android Developer	*November 2014–December 2014*

Implemented a functionality for OMitra, a Train Social App, of finding fluctuations in the signal strength so as to reduce the power consumption of Mobile on a move. This helps stopping unnecessary applications which use signals in background and consumes power.

Major Projects

Android Application for SSAD Course   **IIIT-Hyderabad**
Project under Prof. Raghu Reddy   *August 2014 – November 2014*
Stampitgo is an Android Application which rewards users for their loyality. It ensures offers based on their interest and needs. As a Technical Developer I took part in a team of five to develop the application using standard Waterfall Model.

PHP Web Application for Intro to DB Course   **IIIT-Hyderabad**
Project under Prof. Radha Krisna   *October 2014 – November 2014*
Developed a raw PHP Application as a prototype for explaining better way of storing values in tables for a Pharmacy Database.
Used **phpMyAdmin**, **Relational Model** as means.

B.Tech Project   **IIIT-Hyderabad**
Project under Prof. Kishore Kothapalli   *December 2015 – Current*
Transitive Closure is one of the interesting problems in Computer Science Industry. I as a team of two currently studying and working on High Probability parallel Algorithms for the same. Currently implementing a famous paper of J.D.Ullman.(code)

Computing Eigen Values of a Symmetric Matrix in parallel   **IIIT-Hyderabad**
Project under Prof. Kishore Kottapally   *March 2016 – Current*
This project aims at computing the eigen values of a Symmetric Matrix in parallel. I am using OPENMP to create and use multiple threads.(code)

Short Term Projects

Implementation Of Terminal   **IIIT-Hyderabad**
*Course Project under Prof. Suresh Purini, **Operating Systems***   *September 2014*
Developed a prototype of terminal implementing some UNIX commands in C using system calls.

Implementation Of A Mini SQL Engine   **IIIT-Hyderabad**
*Course Project under Prof. P.K.Reddy, **Database Systems***   *September 2015*
Implemented a mini DBMS in **PYTHON** which serves some MySQL Commands.(code)

Implemenatation Of Multiway Merge Sort   **IIIT-Hyderabad**
*Course Project under Prof. P.K.Reddy, **Database Systems***   *October 2015*
Implemented two phase multiway merge sort for sorting large files by selected attributes in **C++** using advanced algorithms. (code)

Computer skills

Languages: C, C++, Python, MySQL, Java, PHP, Javascript, HTML, CSS, XML, Shell Scripting

Platforms: Windows, Linux, Windows Phone, Android

IDE Tools: Android Studio, Eclipse

Relevant Courses(* Pursuing this semester)

Computer Programming, IT-Workshop (I, II) , Mathematics I (Graphs), Mathematics II (Group Theory), Mathematics III (Calculus and Probability), Data structures, Algorithms, Artificial Intelligence, Operating Systems, Intro to Databases, Computer Networks, Computer System Organisation, Formal Methods, Graphics, Structural Software Application Development (SSAD), Complexity and Advanced Algorithms, Abstract Algebra, Database Systems, Game Theory, *Statistical Methods in Artificial Intelligence(SMAI), *Parallel Processing