

Aravind Reddy Ayuluri

CSE
Third Year
IIIT-Hyderabad
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Education

- 2008 - 2011 **SSC**, Dr KKR's Gowtham Concept School, Gudiwada, Scored 93.8 percent.
- 2011 - 2013 **IPE**, Narayana Junior College, Vijayawada, Scored 96.3 percent.
- 2013 **B-Tech**, IIIT-Hyderabad, CGPA:- 7.72(till date).

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/PSAYVJTJ5>
- Open source enthusiast** fixed several bugs as hobby. Can find them on my github account(github.com/aravindkanna)

Experience

- Summer 2015 **Android Developer**, Viven Informedia Pvt.Ltd, Hyderabad.
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.
- March - May 2015 **Technical Developer**, Shoppers Express, Hyderabad.
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.
- Winter 2014 **Android Developer**, OMitra, Hyderabad.
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

- StampitGo** It is an Android Application which rewards users for their loyalty. It ensures offers based on their interests and needs. As a Technical Developer I took part in a team of five to develop the application using standard Waterfall Model.
- PHP Application** 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** 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**)
- Eigen Values in Parallel** 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**)
- Face Detection** A course project aiming the detection of faces taking an image as input. Done following the algorithm given by Viola Jones. (**code**)

Short Term Projects

- Mini SQL Engine** Implemented an SQL query parser and executor in C++ to manipulate data in csv files.(**code**)
- Multway Merge Sort** Implemented external merge sort for large files(**code**)
- Bash Shell** A Linux terminal implemented in C++ programming language using concepts of fork, exec, signals, pipes etc. Different kinds of interrupts were also handled.(**code**)

Computer skills

- Languages** C, C++, Python, Java, PHP, XML
- Scripting** Python, Bash
- Web-Tech** HTML, CSS(moderate), JavaScript(moderate)
- APIs** OpenGL, OpenMP
- 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