Anishetty Rahul

Institute Roll No: **11CS10005**

Phone No: **+91-7407167753**, e-mail Id: **rahulteja1193@gmail.com**

Room No: B - 313, Nehru Hall of Residence, IIT Kharagpur, West Bengal - 721302

LinkedIn: **in.linkedin.com/in/rahulanishetty/**

Education :

Degree/Certificate	**Institute/School, City**	**CGPA/%**
B.Tech (4^{th} year) Computer Science Engineering	Indian Institute of Technology, Kharagpur	7.75 (After 6 semesters)
Intermediate(B.I.E.A.P)(2011)	Sri Chaitanya Boys Jr. College, Gudavalli	93.8%
S.S.C(2009)	Dr.KKR's Gowtham Concept School, Gudiwada	90.86%

Academic Achievements :

- 2^{nd} in South Indian Mathematics Olympiad - 2009
- All India Rank 523, IIT - JEE 2011. All India Rank - 404, ISAT - 2011
- All India Rank 598, B.Tech and 27, B.Arch. AIEEE - 2011
- Ranked 260, EAMCET - 2011 Engineering stream, Common Entrance Test of Andhra Pradesh.
- Represented School and acquired 2^{nd} position in Chekumuki Science Talent Exam - 2006.
- Qualified for final rounds of many prestigious exams like Regional Maths Olympiad, Indian National Chemistry Olympiad, Association of Mathematics Teachers of India, National Science Olympiad, Unified Cyber Olympiad and Kishore Vaigyanik Protsahan Yojana in the years 2008 - 11.
- Gold in Open Software Competition - 2014

Internship :

Organization : **Samsung Research Institute, Noida** May,2014 - July,2014

Internship details : **Linux Kernel and Device Drivers**

- Implementation of Platform Device Drivers in Linux Kernel
- Battery Charging Algorithm and different phases associated with it.

Skills Set :

- Programming Languages : C, C++, Java and SQL.
- Intermediate Skills : Python, HTML, JavaScript, PHP, UML, AVR-C, Verilog, MIPS assembly language and LaTeX.
- Operating Systems : Linux and Mac OS X (libraries & environment), Windows.
- Languages : English, Hindi and Telugu.

Research Projects :

Topic :**Machine learning based partition class prediction for an OpenCL workload**

B.Tech project under **Professor**: **Soumyajit Dey**. February,2014 - Ongoing

- To obtain a solution for the Partition Class problem by using machine learning techniques.
- Feature set includes Static Program features, Architectural features.
- The partition class specifies the percentage of data to be computed on CPU.
- A variety GPU Architectures are simulated by GPGPU-sim.

Academic Projects and Applications :

Twitter Tweet Normalisation August,2014 - November,2014

Speech and Natural Language Processing course project under **Professor**: **Pawan Goyal**.

- An application that normalises Twitter tweets to a more standard form of english.

Automated mosaicking of torn paper documents February,2014 - April,2014

Open Software Competition - 2014

- Designed an algorithm for reconstruction of torn documents.

Stay Connected August,2014 - November,2014

Smartphone Computing and Application course project under **Professor**: **Niloy Ganguly**.

- An android application, which analyses the wifi available and automatically connects user to the best wifi.

Specialised Search Engine March,2014 - April,2014

Information Retrieval course project under **Professor**: **Sudeshna Sarkar**.

- A site specific search engine

Transport Company Computerisation Software(TCCS) February,2013 - April,2013

Software Engineering Course Project under **Professor** : **Partha Prathim Das**.

- A software that provides all the capabilities required for a courier service company.

Single Cycle Execution Unit(RISC Processor) September,2013 - November,2013

Computer Architecture Project under **Professor** : **Debdeep Mukherjee**.

- Single cycle execution unit was designed for a particular instruction set.
- Simulated in Xilinx software, programmed in verilog.

Web based Applications :

Carpool Information System February,2014 - March,2014

Database Management Systems course project under **Professor**: **Pabitra Mitra**.

- A website that allows users to query and share vehicles based on their requirements or capacity.

Twitter Trend Map March,2014 - April,2014

Database Management Systems course project under **Professor**: **Pabitra Mitra**.

- A web-based application that displays trending tweets as Word Cloud on Google Maps.

Robotics :

An autonomous robot for event **Tremors**, Kshitij - 2014 January-2014

- An autonomous robot which follows light and senses earthquakes.
- Atemega -16 micro-controller was used and programmed in AVR-C.
- Sensors used : LDRs, Accelerometer.

An manual robot for event **Inferno**, Kshitij - 2014 January-2012

- A manual robot that has the capability to rise upto 1m, lift objects and put off fire.

Positions of Responsibility :

- Secretary Library, Nehru Hall of Residence, IIT Kharagpur July,2012 - April,2013
- Member of Badminton, National Sports Organisation. July,2011 - April,2013

Extra Academic Achievements :

- Secured 6th position in the event TREMORS, KSHITIJ - 2014
- Member of Gold winning Choreography, Nehru Hall of Residence, IIT Kharagpur - 2013
- Member of Gold winning English Dramatics Team, Nehru Hall of Residence, IIT Kharagpur - 2013
- Member of Bronze winning Water Polo Team, Nehru Hall of Residence, IIT kharagpur - 2013