

Rohith Mukku

3rd year Undergraduate Student,
Department of Computer Science and Engineering,
Indian Institute of Technology, Kanpur

Hall-3, IIT Kanpur - 208016
Email-id : rohithm@iitk.ac.in,
rohithmukku@gmail.com
Mobile No.: +918604926533

ACADEMIC DETAILS

Degree/ Certificate	University/ School, City	Year	CGPA/ %
Bachelor Of Technology, Computer Science and Engineering	Indian Institute Of Technology, Kanpur	2014-Present	7.6/10
Board of Secondary Education, Andhra Pradesh Class XII	Narayana Junior College, Hyderabad, Andhra Pradesh	2014	98.20 %
Board of Secondary Education, Andhra Pradesh Class X	Narayana e-techno School, Hyderabad, Andhra Pradesh	2011	88.66 %

SCHOLASTIC ACHIEVEMENTS

- **JEE ADVANCED** : Secured **AIR-751** (among **200,000** students) in **JEE ADVANCED 2014**
- **JEE MAINS** : Secured **AIR-166** (among **1.4 million**), and secured **State Rank-65** in Andhra Pradesh
- **EAMCET** : Secured rank **333** with local rank **130** in **EAMCET 2014**
- **IAPT** : Placed in **Top 10%** in **Indian Association of Physics Teachers** conducted at **761 centres** in all with a total of **39000** candidates enrolled
- **NSO** : Secured rank **656** in the final round of **12th National Science Olympiad-2010**
- **IMO** : Secured rank **405** in the final round of **3rd International Mathematics Olympiad-2010**

TECHNICAL SKILLS

- **Languages/Scripts** : C, C#, Java, Bash, Python, Assembly, Verilog, Javascript(familiar)
- **Software & Tools** : Microsoft Visual Studio, Vim, L^AT_EX, Git, Octave, Gnuplot, Unity-3D, AutoCAD, Android Studio, Blender(familiar), Operating Systems : Windows, Linux(Ubuntu, Apricity)

WORK EXPERIENCE

- **Summer Internship'16 at TATA CONSULTANCY SERVICES**
Mentor: Indrajeet Gajanan Waingade May'16-July'16
 - Developed Web Applications using **ASP.NET, C#** to store and retrieve data regarding charger(Nissan Leaf) details
 - Worked on SQL and ASP.NET based Web Solution for the Electric Vehicle Charging Infrastructure
 - Developed Web Pages in ASP.NET for IIS Server and created EVSE master database in SQL

ACADEMIC PROJECTS

- **Stable Marriage Problem**
Guide: Prof. Rajat Mittal (As a part of course CS201) Aug'15-Nov'15
 - Studied the Stable Marriage Problem and its variants
 - Analysed the proof of the algorithm to solve stable marriage problem and studied various standard techniques used in solving the problem
- **Extension to NachOS Simulator**
Guide: Prof. Mainak Chaudhuri (As a part of course CS330) Sept'16-Nov'16
 - Designed various functionalities in NachOS - instructional software in C++ to run as secondary OS on linux
 - Implemented various system calls (fork, join) , various scheduling algorithms (FIFO, RR, Unix Scheduler), various techniques for synchronization (semaphores, condition variables), demand paging, shared memory
- **Chatbot using Github's Hubot**
Guide: Prof. Piyush Kurur (As a part of course CS252) Oct'16-Nov'16
 - Developed scripts for Hubot which when implemented can handle emails, exam-schedules, basic google spreadsheets and other simple tasks
 - Developed scripts using Nodejs, Coffeescript, Slack API, npm

EXTRA CURRICULAR

- Participated in *Robotics* event in **TAKNEEK 2014** using Motors, Breadboards, Solders and different ICs
- Participated in *Photography* event in **SPECTRUM 2014**
- **Miscellaneous:** Member of Dance group - Participated in Freshers-2014, Galaxy-2015 (Inter Hostel event),etc
- Former **NCC Cadet (2014-15)**

RELEVANT COURSES

- **Ongoing:**
 - Principles of Database Systems
 - Compiler Design
 - Computer Architecture
 - Computer Systems Security
- **Completed Courses:**

◦ Data Structures and Algorithms	◦ Tools for Programming/Computer Laboratory II
◦ Algorithms II	◦ Logic in Computer Science
◦ Operating Systems	◦ Discrete Mathematics
◦ Theory Of Computation	◦ Abstract Algebra
◦ Computer Organisation	◦ Introduction to Electronics
◦ Fundamentals of Computing	◦ Microeconomics
◦ Tools for Programming/Computer Laboratory	
- Courses Online: Introduction to Game Development(Coursera), Machine Learning(Coursera-Ongoing)

INTERESTS AND HOBBIES

- Major interest : Space technology, Artificial Intelligence, Simulation, Operating Systems, System Architectures, Network Programming, Physics with Computer Science, Strategy, Puzzles
- Hobbies : Gaming(DOTA-2, FIFA, Football Manager, Strategy games like Age Of Empire,etc.), Analyzing Football Tactics & Reviews, Sketching-Art, Anime