Venkata Dinesh Kota 120050051
Computer Science & Engineering B.Tech.
Indian Institute of Technology Bombay Male
DOB: 28-7-1994

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2016	6.99

SCHOLASTIC ACHIEVEMENTS

- Secured All India rank **243** in **IIT-JEE** out of 5,00,000 students [*2012*]
- Secured All India rank **16** in **ISAT** [*2012*]
- Was awarded **NTSE** scholarship [*2008*]
- Secured AIR **6** in **SIMO**,AIR **7** in **AMTI** Mathematics Olympiad and State **2**nd in **APAMT** [*2007*]
- Secured State **3**rd in Unified Council [*2008*]
- Secured **99.69** and **99.75** percentile in **Unified Council IMO** in consecutive years [*2008,2009*]

INTERNSHIP AND RESEARCH EXPERIENCE

SMARTRON – Remote Rendering Pipeline for Android *Guide: Adnaan Badr, Smartron* [*Summer 2015*]
- Worked on **APITrace**, an open source project, which captures the frames displayed and make a trace file out of it.This trace file data streamed over network and can be replayed on phone using **Retracer** app
- Started with System level Tracing and worked on the Source code to make it run on specific Android API level(API 19),version 4.4.2 and Ported it to work on Android version 5.0

R&D Project: Mic App *Guide: Prof Bhaskaran Raman* [*ongoing*]
- Developing an Android App which is used by students and professor as a means of communication.

Undergraduate Dissertation: Vulnerabilities in Web Security *Guide: Prof Bernard Menezes* [*ongoing*]

- Understanding the working of different attacks that are possible on Web Applications such as XSS, CSRF, various Injections and planning to implement a Google Chrome Extension to prevent these attacks

ACADEMIC PROJECTS

Food Ordering System *Guide: Prof. Nandlal L.Sarda* [*autumn 2014*]
- Designed and developed a **Web portal** for managing online orders and implemented entities in **java**
- Deployed this using Apache Tomcat server with **PostgreSQL** as back-end and **JSP** as front-end

Simple HTTP Server *Guide: Prof Varsha Apte* [*autumn 2014*]
- Implemented a **HTTP server** which functions according to the standard HTTP protocol using socket programing in **java** and implemented **HTTP1.1 features** like persistent connections, Keepalive timeout

OS Simulator *Guide: Prof. Dhananjay M.Dhamdhere* [*spring 2015*]
- Implemented different **thread scheduling** algorithms like round robin with time-slice, multilevel scheduling and kernel and user level threads and implemented algorithm to **detect deadlocks**

Compilers Project *Guide: Prof Amitabha Sanyal* [*spring 2015*]
- Designed a compiler for C-style programming language which detects syntactic and semantic errors and the lexical analyzer was implemented using **flex** and the parser was implemented using **Bison**

Sudoku Puzzle Game *Guide: Prof Amitabha Sanyal* [*spring 2013*]
- Recreated Sudoku game with a verifier for correctness of partially solved Sudoku and a solver for solving

POSITION OF RESPONSIBILTIES

- Department Sports Secretary, CSEA Council [*2013-14*]
- Department Joint Secretary, CSEA Council [*2014-15*]
- Department Mentor, CSE DAMP [*2014-15,2015-16*]
- Department General Secretary, CSEA Council [*2015-16*]

INTERESTS AND EXTRA-CURRICULAR ACTIVITES

- Represented Hostel 7 in Kho-Kho GC and were placed 3rd in 2013-14 and 2nd in 2014-15
- Part of hostel 3 drama team , placed first in freshizza(a first-year students hostel dance competition)