



Bhookya Naveen
Computer Science & Engineering
Indian Institute of Technology Bombay

140050034
UG Second Year
Male
DOB: 05-01-1997

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2016	8.61
Intermediate/+2	Board of Intermediate Education, Andhra Pradesh	Narayana Sri Chaitanya Junior College	2014	97.80
Matriculation	Board of Secondary Education, Andhra Pradesh	Dr.KKR's Gowtham Concept School	2012	9.50

Homepage : <http://www.cse.iitb.ac.in/~naveen.bhookya/>

Pursuing **Minors** in **Management**, currently doing a course on accounting and finance

SCHOLASTIC ACHIEVEMENTS

Credentials

- ◇ **All India Rank 49** in **JEE Advanced** among 150,000 candidates (2014)
- ◇ Scored **99.99** percentile in **JEE Main, B.Tech** among 1.3 million candidates (2014)
- ◇ Scored **99.76** percentile in **JEE Main, B.Arch** among half a million candidates (2014)
- ◇ **State Rank 68** in **AP-EAMCET** among 400,000 candidates (2014)
- ◇ Scored **414/450** in **BITSAT**, Birla Institute of Technology and Science Aptitude Test (2014)

Scholarships and Olympiads

- ◇ Awarded **Kishore Vaigyanik Protsahan Yojana** fellowship by Department of Science and Technology, Government of India for excellence in basic sciences (2013-14)
- ◇ Attended **Vijyoshi camp** conducted by **Indian Institute of Science**, Bangalore (2013)
- ◇ Secured **10th Rank** in **South Indian Physics Olympiad** (2012)

ACADEMIC PROJECTS

Pinball simulation (Aug'15 - Present)

Guide: Prof. Sharat Chandran, IIT Bombay

- ◇ Designing a simulation of classic pinball game using **Box-2D**, a physics simulation engine
- ◇ Implementing a compiler independent build process using **cmake**

Voice Controlled Chess Playing Bot (May'15-Jun'15)

Personal project

- ◇ Implemented the **Negamax** algorithm with α - β **Pruning** to design the chess engines AI
- ◇ Built an x-y slider framework to move the pieces across the board using **Arduino**
- ◇ Used a **voice recognition module** to receive moves from the user

Triple DES encryptor (Jul'14 - Nov'14)

Guide: Prof. Deepak B. Phatak and Prof. Supratik Chakraborty, IIT Bombay

- ◇ Implemented an encryption-decryption system using **Triple DES** algorithm
- ◇ Hashed passwords using Secure Hash Algorithm **SHA-1** to obtain keys of fixed length
- ◇ Used the multi-platform graphics toolkit, **GTK+** to design the GUI

TECHNICAL SKILLS

- ◇ Programming Languages : C/C++, Bash, Python, Swift, MATLAB, GNU Octave
- ◇ Web Development : HTML, CSS, JavaScript, Bootstrap, PHP
- ◇ Softwares : AutoCAD, SolidWorks, \LaTeX

POSITIONS OF RESPONSIBILITY

Institute Badminton Convener

(Mar'15-Present)

IIT Bombay

- ◇ Part of a **3 member team** playing a pivotal role in **promoting** and **popularizing** Badminton in the Institute by organizing various events and tournaments
- ◇ **Mentored** more than **100 players** as a part of Drona, Summer School of Sports and other beginner and intermediate level camps
- ◇ Actively contributing to the activities of Sports Council, IIT Bombay

Web Coordinator

(Mar'15-Present)

Entrepreneurship cell, IIT Bombay

- ◇ Involved in maintaining the **website** of National Entrepreneurship Challenge (**NEC**) reaching out to over **350 colleges** establishing **80 E-Cells** across India
- ◇ Spearheaded a team of organizers in conducting **Idea Blaze**, an event that is a part of The Entrepreneurship Summit which had over **250 participants**

Organiser

(Dec'14-Jan'15)

The 50th Inter IIT Sports Meet organised by IIT Bombay

- ◇ Coordinated the march past of contingents from **16 IITs** during the opening ceremony where **Sachin Tendulkar** was the chief guest
- ◇ Ensured logistics of the Badminton tournament which had more than **130 participants**

AREAS OF INTEREST

- ◇ Data structures, Algorithm Design, Data Analysis
- ◇ Networks, Computer Security, Cryptography

EXTRA CURRICULAR ACTIVITIES

- ◇ Photography enthusiast, covering events for the official facebook page of **IITB Sports** having more than **6,500** followers (Jul'15-present)
- ◇ **2nd place**, Inter Hostel Badminton Tournament-2015 among **14 hostels**, team member since Freshmen Year
- ◇ **3rd place**, Institute Badminton League among **8** participating teams (Mar'15)
- ◇ Member of the hostel team for **Inter Hostel Table Tennis** Tournament (Sept'15)
- ◇ Completed an year long course in Badminton by National Sports Organisation (Jul'14-May'15)

COURSES UNDERTAKEN

Core Courses

Abstractions and Paradigms for Programming	Computer Programming and Utilization
Design and Analysis of Algorithms**	Data Structures and Algorithms + Lab*
Programming Paradigms Lab	Data Analysis and Interpretation*
Logic for Computer Science**	Software Systems Lab*
Computer Networks + Lab**	Discrete Structures*
Digital Logic Design + Lab**	

Non Core Courses

Differential Equations	Basics of Electricity and Magnetism	Economics**
Linear Algebra	Electrical and Electronic Circuits*	Chemistry
Calculus	Quantum Physics	Biology

* Course to be completed by November 2015

** Course to be completed by April 2016