

ACHIEVEMENTS	<ul style="list-style-type: none"> • All India Rank 104 (<i>State Rank 2</i>) among 3.75 lakh participants in <i>National Level Science Talent Search Examination (NSTSE) 2012</i> conducted by Unified Council • Secured All India Rank 1 in <i>International Olympiad of Science (IOS) 2009</i> • All India Rank 53 (<i>State Rank 1</i>) in <i>National Science Olympiad (NSO) 2008</i> conducted by Eduheal Foundation amongst nearly 4 lakh participants • Pursuing Minors at <i>Industrial Design Centre, IIT Bombay</i> • Amongst top 0.005% in AIEEE 2012, an exam taken by over a million students 	
PROFESSIONAL EXPERIENCE	Product Development Intern <i>Tushky Events and Entertainment</i> <ul style="list-style-type: none"> • Designed and implemented a Ranking Algorithm for various kinds of activities • Developed a Facebook Application for events calendar. • Implemented a Recommendation System based on Apache Mahout. 	Winter 2013
KEY ACADEMIC PROJECTS	Chess Titans <i>Guide: Prof. Amitabha Sanyal</i> <ul style="list-style-type: none"> • One player chess game in PLT Scheme using in-built GUI Toolkit in DrRacket • AI makes use of the Minimax Algorithm with Alpha-Beta Pruning • Heuristics to decide the best move for the computer, at any stage of the game E-Ball <i>Guide : Prof. Abhiram Ranade</i> <ul style="list-style-type: none"> • Classic brick breaker game in C++ using Particle Physics • Randomly generating levels with varying difficulty and ball speeds • User Interface designed using the simplecpp package 	Spring 2013 Autumn 2012
OTHER PROJECTS	Rumor Roll! <i>Yahoo! HackU</i> <ul style="list-style-type: none"> • A website that displays links, tweets and videos related to rumors about the query • Made in 24 hours using Yahoo! Boss API, Twitter API v2.0 and YouTube API Android Desktop Controller <i>Institute Technical Summer Project (ITSP)</i> <ul style="list-style-type: none"> • An Android application that uses Bluetooth to control PC through an Android mobile • Used Java's Robot class to assign PC's features to commands passed by device as strings Hostel Website Developed the website for Hostel-3 (Currently Live) using Twitter Bootstrap v2.3.2 .	Autumn 2013 Summer 2013 Autumn 2013
ROBOTICS	XLR8 2.0 Designed our own Football playing RC bot from scratch and secured the 2nd position . Line Follower Competition Designed and programmed an autonomous line-following bot by coding Arduino microcontroller board and secured the 1st position among a hundred participating teams. XLR8 Designed our own RC bot from scratch on the principle of motor driver circuit and awarded the best hostel team among nearly 200 teams.	Spring 2013 Autumn 2012 Autumn 2012

PROGRAMMING SKILLS	<ul style="list-style-type: none"> • Programming Languages: C++, Java, MIT-Scheme, Python, Prolog, L^AT_EX 2_ε • Web Development: HTML5, CSS3, PHP, JavaScript • Engineering Softwares: MATLAB, SCILAB, LabView • Environments: Windows, Linux
FIELDS OF INTEREST	<ul style="list-style-type: none"> • Machine Learning • Algorithm Design and Analysis • Cryptography • Artificial Intelligence
POSITIONS OF RESPONSIBILITY	<p>Convener, <i>Web and Coding Club</i>, IIT Bombay April 2013 – Present Convener of one of the biggest clubs of IIT Bombay which supports coding and related activities in the institute, promoting coding culture across students of all departments. Responsible for organising Hackathons, talks and many other coding related events</p> <p>Web Secretary, <i>Hostel 3</i>, IIT Bombay April 2013 – Present Elected as Hostel Web Secretary for Hostel 3. Responsibilities include:</p> <ul style="list-style-type: none"> • Conducting intra-hostel web development workshops and competitions. • Design and maintenance of the hostel website and ensuring that everything done by the hostel council is transparent and publicised through a common web portal <p>Coordinator, <i>TechFest 2014</i> May 2013 – January 2014 Installed jQuery plugins on the website for TechFest 2014 and coordinated a workshop on Swarm Robotics.</p>
EXTRA CURRICULAR ACTIVITIES	<ul style="list-style-type: none"> • Worked as a business developer for crowdfunding module in <i>StartupToday</i> • Participated in two Model United Nations (MUN) conferences – TCETMUN 2012 by <i>Thakur College of Engineering</i> and TIMUN 2013 by <i>TechFest, IIT Bombay</i> • Enthusiastic in literature, creative writing and philosophy • Written many blogs, including Web Development blogs for <i>Web and Coding Club</i> • Active user on Sphere Online Judge (SPOJ) and HackerRank • Completed the year-long course by National Sports Organization (NSO) in Squash • Enthusiastic in swimming and water adventure sports like Scuba • Worked as an organiser in Mood Indigo 2012, TechFest 2013 and E-Summit 2013
KEY COURSES UNDERTAKEN	<p>Core: Data Structures, Abstractions and Paradigms in Programming, Software Systems*, Design and Analysis of Algorithms*, Logic Design*, Computer Programming and Utilization, Discrete Mathematics, Introduction to Machine Learning</p> <p>Other: Calculus, Linear Algebra, Differential Equations, Numerical Analysis*, Modern Physics, Environmental Studies, Economics, Basics of Electronics and Electrical Engineering, Chemistry, Basics of Visual Communications, Data Analysis and Interpretation, Sound and Music Design</p> <p>Online Courses: Algorithms: Part I and Part II (Prof. Robert Sedgewick and Prof. Kevin Wayne), Learn to Program: The Fundamentals (Prof. Jennifer Campbell and Prof. Paul Gries), Machine Learning (Prof. Andrew Ng)</p> <p>Note: The * marked courses will be completed by April 2014.</p>