

Manan Chugh

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Bachelor of Science, Computer Science; Dean's list, Fall 2016

Expected May 2020

Bombay Scottish School, Mumbai, India

June 2016

Grade 12 ISC Board Examination Score: 96.2%

Grade 10 ICSE Board Examination Score: 95.33%

Relevant Courses: Introduction to Computing using Python; Object-oriented Programming and Data Structures; Visual Imaging in the Electronic Age; Cornell Data Science Training Course; Multivariable Calculus for Engineers

PROFESSIONAL EXPERIENCE

Intellect Design Arena Ltd., Jersey City, NJ, software intern

May 2017-present

Working on real-time company data to improve financial technology products using Machine Learning algorithms and data visualization tools.

ICICI Bank, Mumbai, India, *Project Intern*

June-Aug. 2015

Completed a market research project for ICICI bank on the payment needs and preferences of the youth of India and the bank's prospects of investing more in payment apps and technology to acquire customers within the age bracket of 16-20 years. Surveyed 200 youngsters online and submitted a detailed report and analysis based on the results.

ARK Techno-solutions, Mumbai, India, *Summer Intern*

May-June 2014

Gained experience in programming microcontrollers and the Raspberry Pi using embedded C and Java.

HONORS AND AWARDS

1. Was offered a scholarship from CISCE Board for being in the top 1% in India in Grade 12 ISC Board Examinations.
2. Chairman's Commendation Gold Medal for being school topper in science stream in ISC board examinations. Also topped the school in Computer Science, Math, Physics and Chemistry with 100% in Computer Science.

ACADEMIC PROJECTS

Cornell Rocketry Project Team

Sep. 2016-Present

Every year, the Cornell Rocketry Team (CRT) participates in the NASA Student Launch and is assigned specific tasks. This year's task is to make the rocket take pictures from the air and identify and analyze a number of colored targets on the ground during its flight. As a member of CRT's Electrical and Software Subteam, I have been working on the camera system and Software Architecture (using Python and C++).

Proffy

Nov. 2016

This was my team's submission at YHack '16 (the Hackathon at Yale University). Proffy is a website that matches professors with suitable college students who are seeking research positions. It allows users to make a simple account with information including their major, interests and experience in their field and matches students with professors who have similar interests, skills and specializations.

HotYoke

Feb. 2017

This was my team's submission at BrickHack 3 (The hackathon at RIT). HotYoke is an iOS application that allows people with extra mobile data to monetize their data and people without mobile data to connect to the internet at a low price through hotspot sharing. We also made a website for people to learn about HotYoke and sign up.

Alternative Sources of Energy Project

Oct. 2014

Represented Bombay Scottish School at the TRAI (Technology, Robotics and Artificial Intelligence) summit held at The American School of Bombay. Presented a project as the representative of the alternative sources of energy team, on using piezo-electric crystals as flooring of crowded Mumbai railway stations to generate electricity and light them up in an eco-friendly and economical manner.

LEADERSHIP EXPERIENCE

Community Service Project, Bombay Scottish School, Project Lead

Apr. 2014-Jan. 2016

Initiated and pioneered project of teaching basic computer usage and English to the class IV employees of Bombay Scottish School. Later, added Math and Banking to the curriculum. After about two years of participating in the initiative, the employees had become better at managing their savings, speaking English and operating computers. On graduating from high school, I passed on the project to students of the next batch; the project is still running successfully as part of the school legacy.

Student Council, Bombay Scottish School, School Vice-Captain

June 2013-Mar. 2014

CAMPUS INVOLVEMENT

Cornell Rocketry Project Team, Cornell University, Member

Sep. 2016-Present

Cornell Table Tennis Junior Varsity Team, Cornell University, Member

Sep. 2016-Present

SPECIALIZED SKILLS

Programming Languages: Java, Python, MongoDB, Node.js, HTML, CSS