

SAYAN CHAUDHRY

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// EDUCATION

Carnegie Mellon University, School of Computer Science

Bachelor of Science, Computer Science, May 2021

Fall 2017 Coursework: Fundamentals of Programming, Mathematical Foundations of Computer Science, Principles of Microeconomics, Matrices and Linear Transformations, Server-Side Programming with Node.js

Delhi Public School, Rohini

Central Board of Secondary Education (Science), May 2017

96.4% – Valedictorian, CBSE All India Senior School Examination (Grade XII)

10 CGPA – CBSE All India Secondary School Examination (Grade X)

Other Achievements: Proficiency Holder, Special Achievement in Computer Science

Clubs and Societies: Head Boy, Student Government; President, Computer Club; Founder & President, Quizzing Club

Stanford University Pre-Collegiate Summer Institutes

20th Century Science, Technology and Culture, June 2015

Final Paper: Examining the Role of Science Fiction in Shaping Scientific Progress

// WORK EXPERIENCE

Edutech Foundation

Head of Operations, Jul 2015 – Jul 2017

- Initiated SheForSTEM campaign to inspire girls to pursue sciences in high school
- Created English speaking courses to help underprivileged children become job ready

Cluster Innovation Center, University of Delhi

Summer Intern, June 2016

- Developed control systems for track robots using computer vision for object recognition and scene analysis

// EXPERIENCE AND AWARDS

- 2017: ▪ *Most Likely to be the Next Million Dollar Startup*, HackCMU2017 for VideoLingo in a team of 4 members – desktop platform in Python to learn new languages by using community translated YouTube closed captions
- *Winners and IBM Global Entrepreneur Finalist*, BharatHacks 2017 for Bhasha Technologies in team of 4 members – online platform in Python to translate and dub the audio track of any YouTube video into Indian regional languages
- *Runners-Up*, O(1) Hack for Ocean Technologies in a team of 3 members – web extension in Python and Javascript to enable voice control functionality on any webpage to make it blind friendly
- 2016: ▪ *Student Organizer*, XINO 2016 – a statewide computer symposium with 300+ students from 25+ schools
- *Second Runners-Up*, Computer Society of India's Young Talent in Computer Programming
- *National Finalist*, NewsWiz – India's First News Quiz on Television
- *Honorable Mention*, NASA Ames Space Settlement Contest for Komorebi – A Human Endeavour in Space
- *Runners-Up*, Asian Regional Space Settlement Design Competition for Cassandras – A Space Transportation System
- 2015: ▪ *International Rank 1*, National Cyber Olympiad 2015
- 2014: ▪ *National Finalist and Regional Winner*, TCS IT Wiz 2014 – Largest IT Quiz in India
- *Third Runners-Up*, Aqua Regia: The Science Quiz – Largest Quiz Ever as per Guinness World Records

// RESEARCH

Realizing a Microprocessor as a Particle Sensor

Participant, Beamline for Schools (Mar 2017)

European Organization for Nuclear Research (CERN)

Data Management Device to Enhance Cellular Connectivity in Rural Areas (Patent Pending)

Awardee, Dr APJ Abdul Kalam IGNITE Award (Nov 2016)

President of India and National Innovation Foundation

Computation Model for Detection and Profiling of Antimicrobial Resistance in *N. gonorrhoeae*

National Finalist (Dec 2015)

Intel IRIS National Science Fair

Investigation into the Market Trends of Artificial Sugar Substitutes viz. Refined Sugar

Runners-Up, Think! Research Paper Writing Competition (Nov 2015)

Microsoft Research