Pratham Shroff

IBDP Student at Dhirubhai Ambani Intl. School

The world being a small place, I believe my role here is critical. In terms of results, I believe I am quite perseverant and like to challenge myself with newer and tougher problems. While my heart truly lies in Mathematics and Computer Science, Global Politics too is one of my key interests.

✉ prathamshroff@ymail.com

📱 +91 98201 98044

📍 A 2003, Oberoi Exquisite, Oberoi Garden City, Goregaon East, Mumbai, India

in linkedin.com/in/prathamshroff

🐦 twitter.com/PrathamShroff

Ⓢ live:prathamshroff

EDUCATION

International Baccalaureate Diploma Programme (I.B.D.P.)
Dhirubhai Ambani International School ⧉

08/2018 – 05/2020   *PG: 42/45*

Courses

- Higher Level Subjects - Further Mathematics, Mathematics, Physics, Chemistry
- Standard Level Subjects - English A: Language and Literature, Hindi B, Global Politics

Indian Certificate of Secondary Education (I.C.S.E.)
VIBGYOR High School ⧉

06/2008 – 03/2018   *97%*

Courses

- English (Language and Literature)
- Hindi
- Mathematics
- Science (Physics, Chemistry and Biology)
- Social Studies (History, Civics and Geography)
- Computer Applications

WORK EXPERIENCE

Distractopathy
Founder & CEO ⧉

06/2019 – Present   *Mumbai, India*

An AI widget created to detect driver distraction

Achievements/Tasks

- Built Driver Distraction Detector using Machine Learning and TensorFlow on Google Colab's Python 3 Notebook
- Created a website distractopathy.com where a user-executable set of code is embedded using GitHub
- Envision an in-vehicle innovation, a product (equivalent of Nauto) that acts as an all-round driver behaviour solution

SKILLS

Data Visualization   Digital Researching

System Design   Entrepreneurial Thinking

Design Thinking (UX)   Public Speaking

Organization & Plan Development   Diplomatic

STANDARDIZED TESTING

The Euclid Mathematics Contest - 64
University of Waterloo

Scholastic Assessment Test (SAT) - 1440/1600
CollegeBoard

SAT Mathematics Level 2 - 800/800
CollegeBoard

SAT Physics Level 2 - 750/800
CollegeBoard

Test of English as a Foreign Language (TOEFL) - 109/120
Educational Testing Service (ETS)

LANGUAGES

English
● ● ● ● ●

Hindi
● ● ● ● ●

Mandarin
● ● ● ● ○

Marathi
● ● ● ○ ○

INTERESTS

Horse Riding   Current Affairs   Law

International Travel   Psephology   Gaming

WORK EXPERIENCE

Student Researcher
The Next Genius Research Project

03/2019 – 07/2019   *Mumbai, India*

Achievements/Tasks

- One among merely 50 people selected for a 12 week long distance project after rounds of interviews.
- Researched trends in cryptocurrency use in LEDCs under Prof. Narayan Naik of London Business School.
- Attended local conferences and completed Blockchain Fundamentals Professional Certificate of UC Berkeley (edX).

Project Intern (Cybersecurity)
IC Universal Legal

07/2019 – 07/2019   *Mumbai, India*

Achievements/Tasks

- Explored law as a post-graduate field of study
- Assisted with due diligence for an acquisition in the cybersecurity field as a part of 8-member team
- Attended court several times to witness legal proceedings

Senior Intern (Substance Department)
India's International Movement to Unite Nations ⬈

09/2018 – 03/2019   *Mumbai, India*

Achievements/Tasks

- Selection and Training of Presiding Officers for over 220 national and 22 international conferences.
- Preparation of Study Guides (10,000 words+) focusing on current global issues.
- Attending conferences PAN India to facilitate healthy debate and keep a check on its quality.

Intern (Data Analysis)
Marcuras Water Treatment Private Limited

04/2018 – 07/2018   *Pune, India*

Achievements/Tasks

- Explored every aspect of water filtration through various conferences and factory visits.
- Mainly worked to extract unorganized datasets of the company to enhance Hydranautics' IMSDesign software, apply ML-CNN to in turn automate the designing process of the arrangement of membranes in industrial filtration plants.
- Almost halved the work of the engineering department with the implementation of the enhancement alone.

ACADEMIC ACHIEVEMENTS

Model United Nations (MUN) (2014 – Present) ⬈
- Attended 23 MUN Conferences - including ones at Princeton University, the World Forum (the Hague) and IIT Bombay (awarded with Best Delegate or passed the resolution as Main Submitter in almost all),
- Served as a Chairperson (Director) at six of them,
- Details of all the conferences available at bit.ly/pratham_mun,

IBDP Subject Achievement Awards (Physics, Chemistry and Mathematics)

COURSES

Inspirit AI Scholars 2019 Bootcamp
40-hr long intensive summer camp led by Stanford graduates & alumni introducing AI & ML to high school seniors and mentoring a unique project of their own

Java Programming: Solving Problems with Software (with Honors) ⬈
Duke University via Coursera

Introduction to Mathematical Thinking ⬈
Stanford University via Coursera

CS198.1x: Bitcoin and Cryptocurrencies ⬈
University of California, Berkeley via edX

ENGN101x: Introduction to Engineering & Design ⬈
Brown University via edX

Artificial Intelligence with Machine Learning
Indian Institute of Technology, Bombay (IIT-B)

Design & Visualization with Adobe Photoshop
Arena Animation, Mumbai

Design & Visualization with CorelDRAW
Arena Animation, Mumbai

Digital Illustrations with Adobe Illustrator
Arena Animation, Mumbai

CS50's Introduction to Computer Science (12/2019 – Present)
Harvard University via edX

VOLUNTEER EXPERIENCE

Student Mentor
Teach for India (TFI)

07/2018 – Present

Teach For India, a part of the Teach For All network, focuses on empowering the underprivileged mainly through education.

Tasks/Achievements

- Led a group of 10 to mentor 20 TFI children. Focused on vocational training and working on aspects overlooked by other professionals.
- Led on to direct a social play with TFI children, later enacted in front of their parents and other students to raise awareness of present-day issues.
- Organised a fund-raising fete for 10 NGOs with thousands in attendance & cumulative collection of about $10,000.

Medical Volunteer
Rotary Club of Mumbai Western Elite ⬈

11/2015 – 11/2015

Rotary is an international service organisation that aims to bring together professionals to provide humanitarian service, advance goodwill & peace.

Tasks/Achievements

- Organised free eye check up and TB awareness camps in one of the worst poverty-stricken areas of Mumbai.
- Provided free glasses to 500+ people in a weekend and free TB consultations to 200+ people.
- Received Certificate of Appreciation for the same.

ACADEMIC ACHIEVEMENTS

Dr. Homi Bhabha Balvaidyanik Competition (Science Talent Search Competition) (2016 – 2017)
- Passed Round 1 of the Competition, Qualified for Round 2 which involved practical experiments and received the Merit Certificate.

Duke TIP ASSET Talent Search
- Appeared for the ASSET Examination every year and received Certificates of Distinction.
- Received the Merit Certificate from Duke University in 2015 and was invited to attend the summer programmes hosted by Duke.

Europe Meets India (EUMIND) (2015 – 2017)
- EUMIND is a unique programme that allows students holding different nationalities, staying in different parts of the world interact with each other and share cultures in depth using powerpoint presentations, interviews, questionnaires, and even group video calls. My team was rewarded Certificate of Excellence both the years and the "Best Article" Award in the Academic Year 2015-2016.

Mandarin Language Proficiency (2015 – 2016)
- Passed Level 1 and Level 2 of the Youth Chinese Test (YCT) with flying colours.

Mental Maths (2013 – 2016)
- Received Global Rank 1 and the Aryabhatta Trophy every year consecutively from Grade VI to Grade IX in the Mental Maths Competition hosted by the Global Math Science Examination and Math Vision Singapore.

Maths and Science Olympiads
- Passed the Math, Science, English and Informatics Olympiads hosted by the Science Olympiad Foundation every year and qualified for Level 2 as well.
- Received more than 5 Gold, 1 Silver and 1 Bronze Medals.

EXTRACURRICULARS

President, VIBGYOR High Nature's Club (2014 – 2017)
Served as the President of the Nature's Club at VIBGYOR High for 2016-2017 and a member from 2014 onwards.

Vice President, DAIS Debate Club (2018 – Present)
Serving as one of the student leaders of the debate club in Dhirubhai Ambani Intl. School.

Horse Riding (2013 – Present)
Successfully completed all 4 beginner levels of horse riding and certified by Japalouppe Equestrian Centre. Trained in grooming, feeding and saddling up of horses as well.

Drawing Examinations (2015 – 2016)
Received Grade A in the Elementary and the Intermediate Grade Drawing Examinations hosted by the Government of Maharashtra.