

Palash Taneja

CONTACT INFORMATION

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EDUCATION

Delhi Public School Rohini, New Delhi, India

- 93% Science Non-Medical, Central Board of Secondary Education (Grade 12)
- 10 CGPA - CBSE All India Secondary School Examination (Grade 10)
- Proficiency Holder

HONORS AND AWARDS

2018

- *Nominated*, for the Forbes Asia 30 under 30 list for my work on Dubit by a former 30 under 30 winner.
- *Winner*, ASES Summit – a selective entrepreneurship summit organized by University of Melbourne in collaboration with ASES, Stanford University for 20 students across the world.
- *Grand Prize Winner*, Google Code-in – an online software development competition organized by Google which saw the participation of 3550+ participants from 78 countries. During Google Code-in, I made significant (8k+ lines of code) contributions to CloudCV, an open source cloud platform started by students and faculty at Georgia Tech with the aim to make AI research more reproducible.

2017

- *Second Runners-Up*, Computer Society of India's National Level Young Programming Talent Search Contest

2016

- *Second Runners-Up*, Computer Society of India's National Level Young Programming Talent Search Contest
- *Qualifier*, Indian National Olympiad in Informatics
- *Won* over 10 inter-school programming related competitions

2015

- *Rank 28/18000*, in the Delhi government's Junior Science Talent Search Examination among students from all over New Delhi

LEADERSHIP POSITIONS

President and Founder, Abusend

Started a non-profit organization to provide an anonymous help platform to school children who are bullied or suffer from stress and mental health problems.

President, Vortex Math Club

Prepared and supervised two out of six events for a statewide math symposium with over 350 students; designed and maintained the club website. Replaced nomination based recruitment system with a merit based one.

Core Member, Xino (Computer Club)

Held programming workshops for juniors. Coordinated sponsorships for school event which was attended by over 300 students from across the city.

PROJECTS AND RESEARCH

Dubit

Startup project

Created an app that makes online education accessible to children from developing countries by creating real-time dubbed audio in their native languages. Won two hackathons and a \$100k grant

October 2017

from IBM. Re branded and re-coded it to use node js this year and am being nominated for Forbes' Asia 30 under 30 list for it. <https://dubitapp.github.io>

A Recurrent Neural Network and smartphone based approach to detecting early stage Parkinson's disease **August 2018**

Pair Research for MIT IEEE,

Improved on current research to provide more accurate diagnosis using upto 52% less data and time

Created artificial intelligence algorithm to play anti-chess

August 2017

Independent Research,

Used minimax algorithm and experimented with various point systems to find an optimal point system for the game of anti-chess.

TalkToMe

July 2018

Pair programming project

A Google chrome personal assistant for visually impaired internet users. Think Siri but for Chrome
<https://chrome.google.com/webstore/detail/talktome/nefaaifpggpfjdjlhfbcgfcjimlgpocc>

Created a suicidal tendencies detector

October 2017

Created a Twitter stream analyzer which can detect suicidal tendencies among Twitter users with over 91% accuracy. Code unpublished to prevent misuse for malicious intent and harassment.

Predicting Dengue Fever outbreaks using Recurrent Neural Networks

April 2017

Independent Research,

Prototype tool has much better accuracy than current solutions

<https://palashtanejapro.github.io>

ACTIVITIES

Volunteer Teacher, Lead School (23+ hrs/week for 4 weeks) **August 2018 - September 2018**

Taught English and Math to under-privileged Grade 1-2 government school students in New Delhi. Raised funds for their welfare.

Mentor and Contributor, CloudCV (20+ hrs/week for 8 weeks/year) **November 2017 - Present**

Contributed over 8k lines of code, and 150 commits to CloudCV, an open source organization working on various areas in machine learning. Some of the projects I contributed to were: Fabrik—a drag and drop editor for neural networks, EvalAI—An open-source competition platform like Kaggle, Origami—an Artificial intelligence as a service platform. I worked with almost all popular machine learning frameworks, Django, React, and Redux during my time there; I also wrote a bot for enhancing communication and management in the community channels. This year I have been serving as a mentor to school students trying to get into open-source through Google's Code-in contest.

Independent Security Researcher (7+ hrs/week for 16 weeks/year)

August 2015 - Present

Found an HSTS configuration problem with cookies in the admissions portals of MIT, Princeton, UWaterloo, UIUC, and Boston University. Re-wrote a popular HSTS exploitation payload, SSLstrip to fit my needs and exploit that particular problem.

COMPUTER SKILLS

- Languages and Frameworks: React, React Native, Redux, Tensorflow, Keras, PyTorch, C++, Python, Java, Dart, Javascript, SQL and Unix shell scripts
- Applications: L^AT_EX, common Windows database, spreadsheet, and presentation software
- Algorithms: Experienced in dynamic programming, graph theory, common algorithms like Dijkstra's algorithm, Bellman-Ford algorithm, sorting algorithms and the like.
- Operating Systems: Unix/Linux, Mac OS, Windows.