Palash Taneja

CONTACT INFORMATION	*Github:* https://github.com/PalashTanejaPro *E-mail:* tanejapalash@gmail.com

EDUCATION	**The University of Texas At Austin**, Turing Scholar (Computer Science Honors)	*May 2023*

PROJECTS AND RESEARCH

Dubit *October 2017*
- Created a Node JS platform 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 from IBM.**

An RNN and smartphone based approach for detecting early stage Parkinson's disease *August 2018*
- Pair research published at **MIT IEEE URTC 2018**
- Used RNNs to improve diagnosis accuracy while using 52 percent less data than current state-of-the-art methods.

Created a fully functioning computer starting from NAND gates *July 2019*
- Created a computer's CPU and memory from the logical gate level in a hardware description language
- Programmed an OS and VM to play Tetris on it.

EXPERIENCE

Mentor and Contributor, CloudCV (20+ hrs/week for 8 weeks/year) *Nov 2017 - Feb 2019*
- Contributed over 8k lines of code, and 150 commits to Fabrik—a drag and drop editor for neural networks
- Served as a mentor to school students for Google's Code-in contest.
- Worked on Pytorch, Tensorflow, Django, React, and Redux
- Wrote a bot for enhancing communication in the community

Independent Security Researcher (7+ hrs/week for 16 weeks/year) *Aug 2015 - Present*
- Found and reported an HSTS configuration problem with cookies in the admissions portals of MIT, UWaterloo, UIUC, and Boston University.
- Re-wrote a popular HSTS exploitation payload, SSLstrip, to fit my needs and exploit that particular problem.

HONORS AND AWARDS
- *Won,* a scholarship to **WWDC 2019**, and was among the 7 students from 300 scholars who demo'ed their projects in a 10 minute one-to-one session with **Tim Cook** .
- *Grand Prize Winner,* **Google Code-in** – an online software development competition organized by Google which saw the participation of 3550+ participants from 78 countries.
- *Nominated,* for the **Forbes Asia 30 under 30** list for my work on Dubit by a former 30 under 30.
- *Winner,* ASES Summit – a selective entrepreneurship summit organized by University of Melbourne in collaboration with ASES, Stanford University for 20 students across the world.
- *Qualifier*, Indian National Olympiad in Informatics – a national programming contest for selecting India's IOI team

LANGUAGES AND FRAMEWORKS

C++, Python, Java, React, React Native, Tensorflow, Keras, PyTorch, Javascript, SQL