Palash Agarwal

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Education

Cornell University: College of Engineering, Ithaca, NY — 2014 - Present
Major: Bachelor of Science in Computer Science (2018)
Minor: Dyson Business Minor for Engineers, Cognitive Science

PACE Junior Science College, Andheri, Mumbai — 2012 – 2014
High School Certificate (HSC) – Class 12

Hiranandani Foundation School, Mumbai — 2005 – 2012
Indian Certificate of Secondary Education (ICSE) – Class 10

Experience

The Viral Fever — Feb, 2016 – Present

The Viral Fever (TVF) is an online digital entertainment channel. Taken a semester off to intern at TVF's small tech team. Handled various projects inside the company, including, but not limited to, creating mass emailers, creating analytics tools and dashboards, and optimizing their website and apps.

Cornell University CS Department — Aug, 2015 – Dec, 2015

Teaching Assistant for a Computer Science course – CS2800: Discrete Structures – in Fall, 2015.

GCT Educorp — 2013

Conceptualized and executed a business model for growth of Computer Science education business of my CS teacher. It comprised of branding and multiple revenue streams including, but not limited to, creation of a student website, partnership, logo design, and tying up resources and standardized content creation and delivery.

This lead to an increase in revenue by 40% through parallel classes and tie up with science classes run by another institute.

Web Development — 2015 - Present

Co-created Wector : A Chrome extension that brings the power of Google Maps seamlessly into your browsing experience. ~100 current users.

Competitive Programming — 2013 - Present

Reached the national level in the Indian National Olympiad in Informatics [a precursor to International Olympiad in Informatics].

Part of Cornell University's ACM Inter Collegiate Programming Contest (ICPC) project team.

University Projects — 2014 - Present

SEAL: Simulating Evolving Artificial Life : Built a virtual world (in Java) whose inhabitants "Critters" had their own DNA to be parsed and interpreted. The *Critters* could wander around, eat food, reproduce, evolve, and fight. A GUI gave the user the "World View" and control over a *Critter*.

Multi-Core Network Honeypot : Built a network honeypot (in C and Assembly) which received packets over a virtual network device, analyzed and classified those packets, and tracked various stats over time. Reached 3.2 Mbps before dropping packets.

Fully Pipelined MIPS : Built a 32-bit pipelined version of the MIPS architecture in Logisim.

Other : 2nd Dan Black Belt in Taekwondo; Volunteer Leader for pre orientation for International Students; Organized School Fest;

Skills

Comfortable with: Java, C++, HTML, CSS, SASS, Python, JavaScript, Markdown, SQL, Linux, PHP;

Familiar with: C, Python, LaTeX, R, Git (Version Control);