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

Cornell University CS Department Aug, 2015 – Present

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.

Participated in various competitive programming contests on HackerRank and Codeforces.

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.

Economics 2013

Based on the research paper "*The market for lemons: Quality Uncertainty and the Market Mechanism*" by Nobel laureate George A. Akerlof, prepared a study paper where, applied the concepts to (i) Stereotypes and social perceptions and (ii) Stock Exchange.

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