Nakul Pathak

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Education

- **University of Waterloo, 1st Year(1A Term)** Waterloo, Ontario, Canada.
  Bachelor of Software Engineering Honours Co-op, 2014-2019.
- **DPS RK Puram** New Delhi, India
  Graduated with 96% average in Physics, Chemistry, Mathematics and Computer Science(99%)
- **Standardized Tests**
  SAT - 2360, SAT Math Level II - 780, TOEFL - 113
- **Online Courses** The internet, WWW
  Graduated with feeling excited and wanting to learn more
  - Codecademy
    - HTML & CSS, Javascript, Jquery, API Handling
      http://www.codecademy.com/nakulpathak3
  - Udacity
    - Introduction To Web Development by Steve Hoffman
      Google App Engine ·HTTP Requests · Form Handling · Cookie & Password Hashing · APIs · Caching · Scaling Up
    - Web Performance Optimization
      Critical Rendering Path · Avoiding Rendering blocking CSS · Asynchronous Javascript Usage
    - Introduction to AJAX
      GET, POST Requests · Using Jquery to make AJAX Requests · APIs
  - CodeSchool
    - Discover DevTools (Chrome Developer Tools)

Technical Skills

- Languages: **C, C++, Python**
- Tools: **Google App Engine**, **Git**, **Bash**
- Databases: **SQL**
- Used **Bind9** to set up DNS server for personal website. (Saved money by not using cloud hosting services)

Projects and Work Experience

- **Built blog from scratch**   *Current*
  Built a blog using Python and Google App Engine which utilizes HTTP Requests, Form Handling and GQL, and then
  integrated this with my website. Now, expanding this into a full-fledged blogging service with user authentication, password
  and cookie hashing
- **Designed Online Portfolio**   *November 2014*
  Used Python and App Engine to build ASCII Art Service. Uses Google Maps API, HostIP API, App Engine Datastore.
  Also, includes caching to reduce requests to database.
- **MyoRunner**   *2nd November, 2014*
  Won 2nd prize at EngHack by building a Temple-Run like browser based web game. Learned Lua scripting to program Myo
  for playing the game through gestures.
- **Feed Me!**   *September 2014*
  Uses Django and Python web app which provides possible recipes you can make with the ingredients you list in a search by
  parsing the ingredients across an API from Yummly. Built at Hack The North.
- **Designed Online Portfolio**   *June - July 2014*
  Used HTML, CSS, Jquery, Jquery UI to build my first website.

Co-Curricular Activities

- **SAT Tutor**   *April - July 2014*
  After securing 99th percentile scores in all sections of the SAT, I tutored students over the summer explaining and
  discussing concepts ranging from english to complex math problems.

- **HH Internships/Co-op Group Creator and Admin**   *November 2014- Current*
  Created a subgroup of Hackathon Hackers for students to matchup with startups/big companies/other students for
  internships as well as to help each other with academics, resumes, advice, etc. Currently has 538 members.(UNHAPPY
  WITH THIS TOO)
- **Engineering Ambassador, University of Waterloo**   *September 2014- Current*
  Keep up online presence for future students who can contact me for shadow days, general questions. Also, involved with
  various activities that Ambassador program holds. (CHANGE THIS A BIT.)
- **Youreka Adventure Camp Champion**   *June 2012*
  Awarded Youreka Adventure Camp Champion award and Role Model Stamp for excellent leadership and communication
  skills. Participated in white water rafting, river crossing, cliff diving, etc.