NAKUL PATHAK

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TECHNICAL SKILLS

- Languages: C, C++, Python
- Tools: Google App Engine, Git, Bash
- Databases: SQL
- Proficient in web development technologies.

RELEVANT PROJECTS

- **Blog App** *Current*
  Built a blog using Python and Google App Engine which utilizes HTTP Requests, Form Handling and GQL. Working on expanding this into a full-fledged blogging service with user authentication, password and cookie hashing.
- **ASCII Chan** *November 2014*
  Used Python and App Engine to build ASCII Art Service as part of Udacity course. Uses Google Maps API, HostIP API, App Engine Datastore. Also, includes caching to reduce requests to database.
- **MyoRunner** | ENGHACK, 2nd Place *2nd November, 2014*
  Used Javascript and Lua to build a Temple-Run like browser based web game controlled using Myo.
- **Feed Me!** | HACK THE NORTH, Participant *September 2014*
  Used Django and Python to create a 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.
- **Designed Online Portfolio** *June - July 2014*
  Used HTML, CSS, Jquery, Jquery UI to build my first website as an exercise to apply my newly learned skills.

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
  - 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)

VOLUNTEER EXPERIENCE

- **Juhu Angels Welfare Association** *May 2013*
  Removed 5 tonnes of litter from beach in Mumbai. Educated visitors about beach cleanliness through campaigns.
- **Savera NGO** *August 2012*
  Created educational posters, made seating arrangements, registered student background profiles, etc. for health checkup camps in 8 Delhi schools.
- **ISS Facility Services** *June 2011*
  Trained unemployed youth to help them gain employment through basic English usage, hygiene, etiquettes and grooming at slums in East Delhi.

CO-CURRICULAR ACTIVITIES

- **Engineering Ambassador, University of Waterloo** *September 2014- Current*
  Represented UWaterloo by creating online portfolio. Answered emails/messages from prospective students. Actively participated in events for the program.
- **Chief Editor, School Magazine, DPS RK Puram** *December 2012- March 2014*
  Lead team, delegated tasks, deciding which articles to add, edited articles, contacting teachers and external agencies for magazine content and design.

- **School Events Organizer, DPS RK Puram** *March 2012- December 2014*
  Organized Prem Kirpal Competition, World Mathematical Crusade & National Literary Festival. Scheduled events, allocated spaces, delegated work, contacted other schools and chief guests, etc.
- **HH Internships/Co-op Group Creator and Admin** *November 2014- Current*
  Created a group for students to matchup with startups/big companies/other students for internships & help each other with academics, resumes, advice, etc. Currently has 539 members.

Awards & Scholarships

- **President's Scholarship of Distinction** *September 2014*
  Scholarship given by University of Waterloo for achieving above 95% in grade 12.
- **International Experience & Research Awards** *September 2014*
  Scholarships for academic and co-curricular excellence, usable in upper years for international co-ops and research opportunities.
- **Scholar Badge Award** *March 2014*
  Award by DPS RK Puram for maintaining excellent academic performance for 4 consecutive years (since joining DPS RKP).
- **Youreka Camp Leader Award** *June 2012*
  Leader & role model award at Youreka camp for students in Himalayas. Participated in white water rafting, river crossing, cliff diving, team games, etc.