

NAKUL PATHAK

University of Waterloo · 1B Software Engineering

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TECHNICAL SKILLS

- **Languages:** C, C++, Python, Ruby, Javascript, CSS
- **Markup Languages:** HTML, XML, LaTeX
- **Tools:** Bootstrap, jQuery, Flask, Rails, Google App Engine, Git, Bash
- **Databases:** MySQL, Oracle SQL/PLSQL

RELEVANT PROJECTS

- **Blogging Service** | <http://nakul-microblog.herokuapp.com> December 2014
Built a blogging service using Flask and Python. Features include OAuth authentication login, user profiles, following users, writing posts, etc. Pagination, unit testing also included.
- **Online Portfolio** | <http://nakulpathak.com> December 2014
Made personal website to learn Bootstrap and further practise HTML, CSS & jQuery.
- **First Personal Website** | <http://nakulpathak.bitballoon.com> July 2014
Learned HTML, CSS, jQuery and applied them to build my first website from scratch.
- **ASCII Chan** | <http://nakul-asciichan.appspot.com> November 2014
Created ASCII Art Service using Python and App Engine 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 | <http://jhdson.ca/myorunaway/> November 2014
Learned Lua to create temple run type browser based game controlled by Myo.
- **Feed Me!** | HACK THE NORTH, Participant September 2014
Used Django and Python to create a web app which provides possible recipes to make with ingredients listed in a search by parsing an API from Yummly.
- **Flask Todo API** December 2014
Made secure, RESTful Flask API which uses HTTP requests to perform tasks on a to do list.
- **Online Courses** | <https://www.udacity.com/course/cs253> September 2014
Introduction To Web Development - HTTP Requests · Form Handling · Cookie & Password Hashing · APIs · Caching · Scaling Up
- **Pick The Odd Image Out** | <http://picktheoddimageout.bitballoon.com> August 2014
Currently in progress. Built image version of pick the odd one out using Angular.JS.

AWARDS, SCHOLARSHIPS & ACHIEVEMENTS

- **Standardized Tests** December 2013
SAT - 2360, SAT Math Level II - 780, TOEFL - 113
- **President's Scholarship of Distinction** September 2014
Scholarship given by University of Waterloo for achieving 96% in grade 12 and 99% in Computer Science.
- **International Experience & Research Awards** September 2014
Scholarships by University of Waterloo for academic and co-curricular excellence, usable in upper years for international co-ops and research opportunities

CO-CURRICULAR ACTIVITIES

- **Engineering Ambassador, University of Waterloo** September 2014- Current
Represented University of Waterloo by creating online portfolio. Actively participated in events like shadow days.
- **HH Internships/Co-op Group Creator and Admin** November 2014- Current
Created a group for students to match up with startups/big companies/other students for internships & to help each other with academics, resumes, advice, etc. Currently has 746 members.
- **Chief Editor, School Magazine, DPS RK Puram** December 2012- March 2014
Lead team, delegated tasks, decided which articles to add, edited articles, contacted teachers and external agencies for magazine content and design.

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.

COVER LETTER

- I have been interested in cyber security since I was 9 years old. When I read the job description, I knew I would love to spend 4 months doing the work listed. I am an extremely quick learner and will learn as much before the job as I will during. I hope you can help me realize my dream and have a great coop term by giving me an opportunity to work at Public Safety Canada. I am willing to spend time learning whatever you require me to learn before the job begins. I am great at managing my time. If you see my resume, you might notice that everything I've learned and all the projects I've built were the work of the past 6-7 months. I balanced a full university course load with these projects and courses. Thank you for your time!