

NAKUL PATHAK

University of Waterloo · 2A Software Engineering

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WORK EXPERIENCE

- **Software Developer Intern, Shopify** *May 2015 - August 2015*
 - Developed new feature which allows different payment systems to automatically integrate with Shopify. Took project from early prototype to beta phase. (Currently in beta)
 - Created *Payment Icons* open source gem which is used in multiple places in Shopify and has been downloaded over 150 times since its release.
 - Debugged issues in Shopify's payments data across multiple payment systems, thus improving our financial data.

TECHNICAL SKILLS

- **Languages:** Ruby, Python, Javascript, C++, C
- **Markup Languages:** HTML, XML, LaTeX
- **Tools:** Ruby on Rails, Git, Coffeescript, Flask, jQuery, Google App Engine, Bootstrap, Bash
- **Databases:** MySQL, Oracle SQL/PLSQL
- **Miscellaneous:** TCP/IP protocols, HTTP requests, RESTful API development, Unix based systems.

RELEVANT PROJECTS

- **Payment Icons Gem** | <http://nakul-microblog.herokuapp.com> *December 2014*

Ruby on Rails engine which mounts payment icon assets and frozen record model to access those assets into any rails app.
- **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.
- **Flask and Rails APIs** *December 2014, February 2015*

Made secure, RESTful APIs using Flask and Rails for a todo list and a book management system. Versioned, namespaced.
- **Online Portfolio** | <http://nakulpathak.com> *December 2014*

Made personal website after learning HTML, CSS, jQuery, Bootstrap.
- **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.

AWARDS, SCHOLARSHIPS & ACHIEVEMENTS

- **Standardized Tests** *December 2013*

SAT - 2360 (99th percentile), 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.