Nakul Pathak

University of Waterloo · 2A Software Engineering

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Technical Skills

- **Languages**: Ruby, Python, Javascript, C++, C
- **Frameworks**: Ruby on Rails, Flask, Django, Node.js, jQuery, Bootstrap
- **Tools**: Git, Bash
- **Databases**: MySQL, SQLAlchemy (ORM)
- **Miscellaneous**: HTTP requests, RESTful API development, Unix based systems, Algorithms & design patterns

Work Experience

- **Software Developer Intern, Shopify** *May 2015 - August 2015*
  - Developed feature which allows different payment systems to automatically integrate with Shopify through the Universal Offsite API. Currently in beta with over 50 payment partners.
  - Created *Payment Icons* open source library to render payment icons across Shopify and allow others to use the gem on their projects
  - Debugged and fixed issues in Shopify's payment integrations which helped improve financial data

Relevant Projects

- **Flash** | *http://github.com/nakulpathak3/Flash* *September 2015*
  React native app while allows users to get deals that last only 5 minutes after opening
  Express + node.js Shopify app to allow merchants to post deals for users
- **Payment Icons Gem** | *http://github.com/activemerchant/payment_icons* *August 2015*
  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://jhudson.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.