

Parv Mital

COMPUTER ENGINEERING · QUEEN'S UNIVERSITY

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Education

Queen's University

B.A.Sc. WITH PROFESSIONAL INTERNSHIP - COMPUTER ENGINEERING

Kingston, Canada

Sept. 2013 - April 2018

- Awarded Dean's Scholar every year since 2013 - Present for academic excellence.
- Stand among one of the top students in Computer Engineering since 2nd year.

Work Experience

Regression Manager, Advanced Micro Devices

Markham, Canada

DISPLAY IP VERIFICATION TEAM

May 2016 - July 2017

- Recreated the reports website using BootStrap, HTML/JS and CSS.
- Implemented new features in the website where the progress for all the tests would be automatically charted for better tracking. This implementation saved over 90 hours of manual work each week and made the progress chart available at all times with no delays.
- Implemented another feature which would compare the metrics of the two latest report and emailed the team members in case of new issues.
- Automated the report generation process using Ruby and JSON which saved countless hours each day.
- Helped in writing a Ruby script which parallelized the report generation. This sped up the report generation process by 4-5 times.
- Constantly maintained the internal website and database. At the same time, fixed innumerable bugs in the website as they were discovered.
- Implemented and improved Ruby/Python/CSH scripts that assisted in better testing/debugging of regressions.

Teaching Assistant, Queen's University

Kingston, Canada

APSC 142 (INTRODUCTION TO COMPUTING)

Jan. 2015 - April 2015

- Attended to the students and answer their questions.
- Helped the professor in creating and maintaining the attendance and marksheet for each tutorial.
- Assisted the professor in creating and marking quizzes.
- Assisted the students in grasping and understanding the concepts of basic programming.

Projects

ModBuddy

Kingston, Canada

QHACKS (QUEEN'S UNIVERSITY)

Feb. 2017

- ModBuddy is a reddit moderator tool (chrome extension) that can detect and flag harassing and vulgar comments.
- The extension is built using JavaScript and the content filtering is done through a machine learning algorithm using Indico API.
- The neural network is trained by supplying huge amounts of data in the form of words, phrases and sentences and the trained network has an accuracy of 0.993.
- Users would be notified of the offensive content count as soon as they open a page, and the content would be highlighted for them.
- The extension's testing website was hosted on Amazon Web Services.

QBnB (Hospitality Service)

Kingston, Canada

CMPE 332 (DATABASE MANAGEMENT SYSTEMS)

Jan. 2016 - March 2016

- QBnB is an iPhone application developed that would help the Queen's Alumni enabling people to lease or rent short-term lodging including vacation rentals, apartment rentals, homestays, hostel beds, or hotel rooms.
- Features are implemented for users to be able to put up their place for rent if they are in the administrator's list of approved suppliers.
- The back-end was completely written in MySQL and the front-end was developed using PHP, Xcode and HTML.

MiniSRC Computer System

Kingston, Canada

ELEC 374 (DIGITAL SYSTEMS ENGINEERING)

Jan. 2016 - March 2016

- Designed a 3-bus architecture miniSRC computer system in VHDL using Cyclone V FPGA and Altera Quartus II.
- The system was implemented with all the basic arithmetic, logical, branch, jump, load and store instructions.

Skills

TECHNICAL SKILLS

- Programming: C++ (primary), Java, C Sharp, C, .NET
- Scripting: MATLAB, Ruby (primary), Python, CSH, R
- Web Development: PHP, HTML5, CSS, JavaScript, BootStrap, Ruby on Rails
- Database: MySQL (primary), PostgreSQL
- Environments / Operating Systems: Linux/Unix, Windows, Microsoft Visual Studio, MATLAB, BlueJ, NetBeans, Eclipse, CodeBlocks