Parv **Mital**

COMPUTER ENGINEERING · QUEEN'S UNIVERSITY

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Summary

I am a Computer Engineering student at Queen's University. Recently, I have finished a "Display IP Verification Internship" at AMD, Markham. Some of the interesting projects I have built are: MiniSRC computer system, WepApplication to share rides, WebApplication for personal money management and Chrome Extension to stop online harrassment. I also love to attend hackathons and tech conferences.

Education

Queen's University   *Kingston, Canada*
B.A.Sc. in Computer Engineering with Professional Internship   *Sept. 2013 - April 2018*
- Awarded Queen's University Excellence Scholarship in 2013.
- Awarded Dean's Scholar every year since 2013 - Present for academic excellence.

Work Experience

Display IP Verification Team, AMD   *Markham, Canada*
Discrete Graphics Intern (Regression Manager)   *May 2016 - July 2017*
- Recreated the reports website using BootStrap, HTML/JS and implemented new features which sped up the development process.
- Automated the report generation process using Ruby and JSON
- Constantly upgrade and maintain the internal website and database.
- Implemeted and improved Ruby/Python/CSH scripts that would assist in better testing/debugging of regressions.
- Mentored new interns and assisted them in learning the entire setup.

Queen's University   *Kingston, Canada*
APSC 142 (Introduction to Computing) Teaching Assistant   *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 filtering of content is done after analyzing the text through a machine learning algorithm implemented using Indico API and 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.
- The application was developed using PHP, Xcode, MySQL, HTML

MiniSRC Computer System   *Kingston, Canada*
ELEC 374 (Digital Systems Engineering)   *Jan. 2016 - March 2016*
- Designed a 3-bus architecture miniSRC computer system 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, Java, C Sharp, C++, .NET
- Scripting: MATLAB, Ruby, Python, CSH, R
- Web Development: PHP, HTML5, CSS, JavaScript, BootStrap, Ruby on Rails
- Database: MySQL, PostgreSQL
- Environments / Operating Systems: Linux/Unix, Windows, Microsoft Visual Studio, MATLAB, BlueJ, NetBeans, Eclipse, CodeBlocks