

# MANBIR SINGH JASPAL

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## EDUCATION

**Georgia State University**, Atlanta, Georgia Aug 2017 onwards  
Candidate for Master of Science in Computer Science  
*Related Courses:* Web Programming, Mobile App Development, Machine Learning, Design and Analysis of Algorithms

**Birla Institute of Technology**, Muscat, Oman Jun 2016  
Bachelors of Engineering in Computer Science  
*Related Courses:* Algorithms & Data Structures, Unix & C Programming, Java Programming & Web Technology, Artificial Intelligence & Expert Systems, Parallel Computing, Object Oriented Analysis & Design, Distributed Systems, Data Mining & Warehousing

## WORK EXPERIENCE

**Bank Muscat, Oman: Software Engineering Intern** Jul – Aug 2014  
Project: MeetUp (Meeting Room Management)

- Responsible for developing a portal to book meeting rooms with respect to location, department, capacity and equipment present.
- Worked in an agile environment and participated in code reviews, bug fixing and design decisions.
- Followed Test-Driven Development to write unit tests and pair programmed with team members.

**Birla Institute of Technology, Oman: Teaching Assistant – (C, C++ Programming)** Jul – Aug 2012

- Assisted students with coursework and assignments.

## ACADEMIC PROJECTS

**Interactive 3D Projection** May 2016

- Combining existing technologies in a creative fashion to create an interactive and playful experience using integrated motion detection such that an interactive projection is created for the entertainment of the users who take part in a dialogue with the machine

**Ping Pong Pang** Oct 2015

- Created a physical fitness oriented game that encourages the user to move his/her hand in a particular direction based on a sequence that is memorized in the beginning of the game.

**What's Happening Around Me** Apr 2015

- Developed a web application using the MEAN stack where users can search events based on location and set preferences for themselves.

**WordFade** Dec 2014

- Created android 2-player word game which is a variation of Bananagrams.

## TECHNICAL KNOWLEDGE

Programming:	Java, C++, C
Operating Systems:	Windows, Android, Linux
Web Technologies:	HTML5, CSS3, JavaScript, nodeJS, expressJS, AngularJS, passportJS, jQuery, JSON, PHP, XML, WordPress, REST, AJAX
Database:	MongoDB, Microsoft SQL Server, MySQL
Software/IDE:	WebStorm, Brackets, Android Studio, IntelliJ, Google Analytics, Postman, Github, Bitbucket, SourceTree, ArgoUML

## COURSES

**Built responsive real world website with HTML5 and CSS3** (Udemy) May 2017

- Created a single page website named OmniFood using HTML5, CSS3 and jQuery, that allows you to buy healthy meal plans online.

**Full Stack Project** (Udemy) June 2017

- Created web application using HTML5, CSS3, JavaScript, Bootstrap, jQuery, NodeJS, ExpressJS, mongoDB.