

Vishal Sanjiv Kotak

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Available: January – August 2017

EDUCATION:

Northeastern University, Boston, Massachusetts

January 2016 – December 2017(Expected)

College of Computer and Information Science

Master of Science in Computer Science

Relevant Courses: Programming Design Paradigm, Artificial Intelligence, Algorithms

Involvement: (1) Junior System Administrator, CCIS Department (2) Masters Assistant, Logic and Computation (CS2800)

University of Mumbai, Maharashtra, India

June 2010 – May 2014

Bachelor of Engineering, Computer Engineering

Relevant Courses: Mobile Computing, Database Technologies, Data Structures and Algorithms, Object Oriented Software Development

TECHNICAL EXPERTISE

Programming Languages:

Java, C#, Python (Beginner), Android (Java + XML), Racket

Web Technologies:

HTML5, CSS3, JavaScript, jQuery, AngularJS 1, AngularJS 2 (Beginner), Bootstrap 3

Database Technologies:

MS SQL Server, MySQL, MongoDB

Operating Systems/Tools:

Windows- 7/8/8.1/10/XP, MacOS, Linux (Ubuntu), DrRacket, GitHub, Tortoise SVN, Eclipse, Android Studio

EXPERIENCE

Northeastern University, Boston, Massachusetts

April – July 2016

Junior Research Assistant

- Worked in three person team to develop mobile application to make calls to Pattern Recognition API and display results
- Implemented background services with threading to improve run time efficiency of the application

TSS Consultancy Pvt. Ltd., Mumbai, India

July – December 2015

Software Developer

- Developed three web applications in ASP.NET (MVC framework + Web API) for multiple clients belonging to the financial domain, specifically hedge funds, using exchange traded fund (ETF)
- Implemented data visualization: programmed graphs using Highcharts and D3 for client in the fitness domain
- Used Microsoft Excel to create more than five macros for generating reports with Power Shell scripts

Accenture Services Pvt. Ltd., Mumbai, India

September 2014 – June 2015

Associate Software Engineer

- Collaborated with teammates on the implementation of two modules: (1) Revenue Generation and Profit Calculation within the Commercial Project Management of Project Systems module and (2) Temporary to Permanent Employee Transformation within the Multi-Resource Scheduling of Project Systems module
- Completed certification in SAP – ABAP (Advance Business Application Programming) by Accenture Services Pvt. Ltd

ACADEMIC PROJECTS

MS Pacman, Northeastern University, Boston, Massachusetts

- Implemented algorithms like Graph Search, Local Search, Genetic, Evolutionary Strategy, Adversarial Search and Neural Networks with Perceptron for Pacman and Ghosts in Ms Pacman framework

An Ontology-based Context-Aware Android application, University of Mumbai, Maharashtra, India

- Research Paper Link: <http://www.ijcaonline.org/archives/volume104/number3/18186-9091>
- Implemented context that is, location and reach-based recommender system that provided the user with listed recommendations (about places like restaurants, cinemas, etc.) drawn up based on their past experiences

Mode Manager Android Application, University of Mumbai, Maharashtra, India

- Implemented a mobile application that runs in the background to detect silent zones by using location tracker and automatically changes the profile of mobile to silent mode

PERSONAL PROJECT

- A dynamic form and workflow management system where companies can create forms and workflows for customer/employee management