Vishal Sanjiv Kotak

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Available: January – August 2017

EDUCATION

Northeastern University, Boston, Massachusetts   Graduating December 2017
College of Computer and Information Science
Candidate for a Master of Science in Computer Science, GPA: 3.6/4.0
Relevant Courses: Programming Design Paradigm, Artificial Intelligence, Algorithms
Activities: (1) Junior System Administrator, CCIS Department (2) Masters Assistant, Logic and Computation (CS2800)

University of Mumbai, Mumbai, India   May 2014
Bachelor of Engineering in Computer Engineering
Relevant Courses**:** Mobile Application Development, Database Management System, Web Development, Computer Networks

TECHNICAL SKILLS

Programming Languages:	Java, C#, Android (Java + XML), Racket
Web Technologies:	HTML5, CSS3, Javascript, jQuery, Node.js
Databases:	MS SQL Server, MySQL, SQLite
Frameworks:	ASP.NET 4.5, Android Studio, Angular.js 1, 2 (Beginner), Bootstrap 3, Spring
Operating Systems/Tools:	Windows, Linux (Ubuntu), GitHub, Tortoise SVN, Eclipse, Android Studio, AWS

WORK EXPERIENCE

Northeastern University, Boston, Massachusetts   April – July 2016
Research Assistant, SMILE Labs
- Developed Android mobile application in three-person team to make calls to Pattern Recognition API and display results
- Implemented background services with threading and improved 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 hedge fund clients including, exchange traded fund (ETF)
- Implemented graphs using Highcharts and D3 for client in the fitness domain
- Created more than five macros using Microsoft Excel for automation of 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 in SAP
- Analyzed the cause of incorrect, negative and zero funding on projects depending on their types and customized the procedures for accurately assigning funding to projects

ACADEMIC PROJECTS

MS Pacman, Northeastern University, Boston, Massachusetts   January – April 2016
- 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 - Java and compared algorithm performance

An Ontology-Based Context-Aware Android Application, University of Mumbai, Mumbai, India   July 2013 – April 2014
- Designed a location and reach-based recommender system for Android that provided the user with listed recommendations (regarding places such as restaurants, cinemas, etc.) drawn up based on their previous experiences
- Integrated Ontology with Android application using Protégé, Androjena API, and MySQL database

Mode Manager Android Application, University of Mumbai, Mumbai, India   January – May 2013
- Conceptualized 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

Dynamic Document System   August 2016 – Present
- Implementing dynamic form management system where companies can create forms for customer/employee management