

# Aniket Hajirnis

48 Clearway Street, Apt 8, Boston, MA | (917) 690-1480 | [ahajirnis@coe.neu.edu](mailto:ahajirnis@coe.neu.edu)

## EDUCATION

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Northeastern University, Boston, MA

09/2011 – Present

*Master of Science, Computer Systems Engineering - Engineering System Design*

*Graduating: 12/2013*

University of Mumbai, Mumbai, India

06/2006 – 05/2011

*Bachelor of Engineering in Computer Engineering*

## TECHNICAL SKILLS

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- Programming Languages: Java, Ruby, C#, C, C++
- Database Technologies: Microsoft SQL server, Oracle, MySQL, MongoDB, NoSQL
- Web Technologies: HTML, PHP, CSS, JSP
- Frameworks: Basic Rails, Struts 2, Entity framework, Hibernate
- Tools: JIRA, Git, SSMS, SSRS, Matlab, Bash, AWS[EC2], Heroku

## WORK EXPERIENCE

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Software Engineer (Arcadia Solutions)

01/2013 – 08/2013

- **Optimized SQL** queries and stored procedures for data-warehouse effectively reducing database access and report generation time by up to **25%**
- **Facilitated requirement analysis** sessions with stakeholders to drive consensus
- **Designed** and owned **predictive analysis** generation tool for diabetes, asthma, cancer and developmental delay. Worked on Microsoft SQL server and Microsoft SQL reporting service to generate useful measures
- **Developed** data-aggregation oriented stored procedures to generate reports for preventive analysis measures
- Added functionality to internal interview process tracking tool using Ruby on Rails

Software Engineer-Intern (Lifeyield)

05/2012 – 08/2012

- **Designed intermediate results generation utility** in C#. It integrated with the financial advice suggestion engine to generate intermediate analytical data. This data was used to clarify the financial reports generated by the tool
- **Developed test case management system** as a collaboration in Matlab, C# and Bash scripts to automate sequential execution of various testing utilities

Research Assistant, (Northeastern University)

09/2011 – 12/2012

- **Developed** utilities for Android application that interfaced with various sensors to capture meaningful data
- **Conceptualized and implemented** binary data storage format for optimized storage on smartphones. Implemented differential payload encoding for 10-bit and 12-bit, 3 - axis accelerometer data providing lossless compression with a **compression ratio of 138:1**
- **Developed and maintained** the research group's web portal to facilitate better communication. It utilized Wordpress as a content management system and custom PHP logic

## ACADEMIC PROJECTS

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Real time, cost-effective, mobile heart-attack precursor detection

05/2010 – 05/2011

- Conceptualized, implemented and tested a portable system that accepted live ECG from the user and interfaced with most common cellular phones that are used by general populace

ClubUML, a 'smart' UML merging tool

09/2013 – Present

- Performed the duties of **Scrum master**. Held daily scrums to facilitate optimum workflow and to drive towards completion of the project.
- Developed the controller and 'smart' comparison algorithm to handle intelligent merging of UML diagrams

Patient medical history management system

09/2012 – 12/2012

- Designed in Hibernate, Struts 2 and Velocity presentation template to provide graphic interface for medical professionals to create, edit and maintain patient records