Atindra Mardikar

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www.linkedin.com/in/atindramardikar | www.atindramardikar.com | **Available**: Starting Dec 2017

EDUCATION:

Northeastern University, Boston, MA — Sep 2015-Present
Candidate for Master of Science in Computer Science, GPA: 3.5 — Expected graduation: Dec 2017
Courses: Algorithms, Information Retrieval, MapReduce, Data Mining, Human/Computer Interaction

Shri Ramdeobaba College of Engineering and Management, Nagpur, India
Bachelor of Engineering in Computer Science, GPA: 3.7 — May 2015
Courses: Algorithms, Data Structures, Machine Learning, Data warehousing and mining, Software Engineering

TECHNICAL KNOWLEDGE:

Programming Languages:	Java, C#, ASP.NET, Scala, JavaScript, C, Racket.
Web Development:	HTML5, CSS3, less.js, Bootstrap4, Angular4, NodeJS, Jquery, D3, AWS.
Big Data:	Hadoop, Spark, Hive, Pig Latin.
Build Tools:	Maven, Gradle, Jenkins, Nexus.
Tools:	Visual Studio, Eclipse, Netbeans, WebStorm, WinSCP, Cygwin, Postman, Cyberduck, IntelliJ.
Databases:	SQL Server, MySQL, Oracle, MongoDB.

WORK EXPERIENCE:

Philips Healthcare, Andover, MA — Jan-Aug 2017
Software Engineering Co-op (R&D)

- Built a service to collect and send critical patient data to AWS S3 to provide cloud analytics solutions.
- Designed cloud-based framework for various projects under Patient Monitoring that enables predictive analytics for multiple connected healthcare applications, migrated on-prem SQL storage to more flexible cloud storage.
- Implemented a complex Hadoop ecosystem architecture that aims to process **1TB per day** of critical patient data.
- Executed complex system load test, performance and memory tuning for heavy incoming payloads in Big data framework.
- Designed and developed tool to connect local machine to remote Hadoop cluster to allow execution of custom HQL statements for visualization of the patient data through a user-friendly UI.
- Developed a service connecting multiple devices to collect device data in a multi-tenant architecture using AWS IoT.
- Performed user acceptance and regression testing for the beta release of the IoT service.
- Designed and developed a web application using Angular4 and Java SpringBoot that enabled effective data visualizations and pattern recognition of health device data across entire population to uncover insights and find concrete care solutions.
- Created fully automated CI build and deployment infrastructure and processes using Jenkins and Nexus for multiple projects.

ScoutDay, Cambridge, MA — May-Aug 2016
Software Engineer

- Developed the MVP and helped the company secure initial investment of **$50K**.
- Designed and built a multi-layered company website using MEAN stack technology – MongoDB, Express, AngularJS, NodeJS.
- Developed complete backend of the v1 platform release handling more than 150 users.
- Developed RESTful API using NodeJS promises and Mongoose for performing CRUD operations on the user data.
- Implemented user personalization including scout reports, connecting with coaches, user-specific email alerts etc.

Northeastern University, Boston, MA — Jan-May 2016
Teaching Assistant, Logic and Computation

ACADEMIC PROJECTS:

Northeastern University, Boston, MA

Bird Classification — Nov-Dec 2016

- Read, partitioned, trained and tested the bird dataset for binary classification using Spark (MLlib).
- Predicted unlabelled data using the built classifier with prediction accuracy of more than 80%.

MassDOT — Sept-Dec 2016

- Redesigned Analytics UI (C#, HTML) to be more intuitive, adhering to the entire SDLC in an agile methodology.

Event Scheduler — Jan-Apr 2016

- Developed a MEAN stack responsive web application to schedule events where users could organize events and share them for others to join and also administer their events.
- Incorporated Google maps API and support to send emails using Nodemailer. Enabled login with FB, Google.

Mini Search Engine — Oct-Nov 2015

- Implemented a search engine by crawling the web using Java and ranked the pages using BM25 Ranking algorithm.
- Tested retrieval effectiveness by comparing results derived from the Lucene API.

Shri Ramdeobaba College of Engineering and Management, Nagpur, India

Health-Mate — Jun 2013-May 2014

- Developed an application in Java that supports clinicians in decision making connecting Doctors, Patients and Medical Store owners with a centralized database.

ACTIVITIES/INTERESTS:

Sports: Soccer/ping-pong, Listening to Music, Internet Browsing, Console gaming (FIFA), Fantasy Soccer league.