

# Abhishek Zambre

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## Summary

Computer Science graduate with previous industry experience of 7 years as a software developer having thorough knowledge of software development lifecycle.

## Education

**Master of Computer Science** (Arizona State University, Tempe, AZ)

**May 2018** (GPA: 3.56/4)

**Bachelor of Tech. in Computer Engineering** (College of Engineering, Pune, IN)

**May 2009** (GPA: 7.35/10)

## Technical Skills

**Programming Languages:** Python, C++, Unix Shell Scripting, Java (Android), PHP.

**Full-stack Technologies:** Node.js, Django, jQuery, Ajax, JavaScript, HTML5, CSS3, Bootstrap.

**Frameworks/Tools:** Matlab, Tkinter, Jenkins, Perforce, Git, Maven, ANT, Apache Hadoop, MapReduce.

**Databases:** NoSQL (MongoDB), Relational (MySQL, Oracle, MS Access).

**Relevant Courses:** Foundations of Algorithms, Data Mining, Mobile Computing, Software Security, Information Assurance and Security, Knowledge Representation and Reasoning.

## Professional Experience

**Senior Software Engineer – Zimbra Inc., Pune (India)**

**June 2014 – July 2016**

- Performed build and release activities for Zimbra Collaboration Suite and Desktop application.
- Administration of Git and Perforce, along with Linux server setup and maintenance.

**Senior Subject Matter Expert – Amdocs, Pune (India)**

**July 2012 – June 2014**

- Developed distributed system to optimize product build controller.
- Automated code repository and relevant tools setup for new phase or a project.

**Subject Matter Expert – Amdocs, Pune (India)**

**August 2009 – July 2012**

- Developed web-based Reconciliation Reporting tool (for data migration QA), AMC (Amdocs Monitoring and Control), UMB (User Master Build).
- Developed data migration framework called ADMEM (Automatic Data Migration Execution Manager).
- Provided development support for C++ based in-house tool for data migration called MigDrive.

## Academic Projects

**Data Mining Project – Arizona State University**

**Sprint 2017**

- Implemented Data Mining Classification algorithms such as Artificial Neural Network, K-nearest Neighbour, Support Vector Machines, Ensemble Methods, along with Clustering algorithm such as K-means, using Matlab.
- Implemented Active Learning classification program using Uncertainty-based Sampling, and Multi-class Classification model.

**Safe and Independent Living – Arizona State University**

**Sprint 2017**

- Developed a system that performs probabilistic reasoning using Bayesian Networks based on information from wireless sensor network and body sensor network installed at different locations of the house.
- Designed and developed sensor network simulator user interface.

**Fake Review Detection using Machine Learning – Arizona State University**

**Spring 2017**

- Case study regarding detection of fake product reviews on commercial websites using Machine Learning.
- Analyzed use of Support Vector Machines in classification between genuine and fake reviews.

**Secure Online Banking System – Arizona State University**

**Fall 2016**

- Lead system environment security, by collaborating with ASU IT team, COMODO CA, and Namecheap.com for server setup, SSL certification, PKI (Public Key Infrastructure) encryption, and Trust-Logo verification.
- Performed vulnerability testing and bug fixing to fortify security of the system.

**Batroid - Android Personal Assistant – Arizona State University**

**Fall 2016**

- Lead project team to develop smart and proactive Android personal assistant application.
- Implemented geo-fencing feature using Google Geofencing API which triggers activity whenever user enters or exits predefined location radius.
- Designed and developed frontend user interface (material design) and backend SQLite database functionality.

**Email Sniffer for an Enterprise – College of Engineering Pune**

**Fall 2009**

- Developed pattern recognition module to detect attacks such as DOS (Denial of Service).
- Automated performance testing using shell scripts to generate large number of emails per second.

**Hospital Management System – Government Polytechnic, Nanded**

**Fall 2005**

- Lead team of 3 members to develop patient records and inventory management system for hospital.
- Designed and developed front-end user interface along with network connectivity.