http://i.cdn.turner.com/nba/nba/.element/media/2.0/teamsites/warriors/images/icon-suites2013-email.pngC:\Users\Nirmik\AppData\Local\Microsoft\Windows\INetCache\Content.Word\linkedin-3-512.png

**University of Texas, Arlington Texas**  **(GPA : 3.30)**

Master’s degree, Computer Science (Software Engineering & Database) Aug 2016 – May 2018

**Bharati Vidya Peeth College of Engineering, Mumbai University, India**

Bachelor of Engineering, Information Technology Aug 2010 – May 2014

Aug 2010 – May 2014

Education:

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Graduate Student at UT Arlington

Amey Jayant Puranik

Certifications:

AWS Certified Developer – Associate 2018.

Udemy Certificated AWS developer -Associate 2018.

Certified Docker master -Udemy.

Certified Linux Shell Scripting -Udemy.

Technical Skills:

Programming Languages : Java (Struts, Hibernate, Spring, Boot), C, C++, Python (2.7, 3.4).

Web Technologies : HTML 5 , Bash-script, Bootstrap, XML, YAML, JSON, JavaScript, React, Node.js CSS, JSP , RESTAPI, JAX-RS.

Development Tools : Eclipse EE, Vim, AWS CLI, SSH, Putty, GIT, PyCharm, Sublime, Cmdr.

AWS Services : S3, ELB, EBS, EC2, Cloud-Formation, SNS, SQS, SWF, Lambda, VPC, Route53, CORS, S3 version control.

Database Technologies : MySQL, AWS RDS, Oracle 11g, AWS Dynamo-DB, MongoDB, Redis, Memcached, Redshift, SQL Server 2012 R2.

Others : Docker 18.04, nginx MS Azure, MS Dynamics CRM, Flask, SDLC, Apache/Tomcat Server, Maven, httpd.

Operating Systems : Windows (2007, XP, 8.0, 8.1, 10), Linux –(Ubuntu Mint).

Testing tools : Junit, PIT, J-meter, Boundary value analysis, Jacoco.

Professional Experience:

Dynamic CRM Consultant (Under (v-9) domain, Microsoft Vendor) April ’15 – July ’16 **Wipro Pvt Ltd (India)**

Major Key responsibilities were to solve problems and issues on the client side related to MS dynamics CRM.

* Played a key role in **importing and exporting of large user data, designing custom workflows, reports (SSRS, SSIS), dashboard and business process flows** in MSCRM at client side. Additionally, writing dynamic scripts on custom forms using **Java script.**
* Worked on different modules of CRM like creating users in AD, adding security roles and field security roles, **developing and importing managed and unmanaged solutions**. Hands on experience in MSCRM online 2013, 2015 update 1.1, 0.2 and 2016.
* Hands on experience on **database technologies (SQL)** including indexing and performance issues in SQL Server.
* Key role in advising **Solution Architecture** to Microsoft CRM Programmers/Developers for Partners and Premier customers.

Projects Experience:

Implementing Algorithms. (C, C++, Data Structures, Java Sockets)

* Implementing basic to NP complete problems/Algorithms.
* Dynamic Programming – Knapsack Problem.
* Implementing **Ring Election Algorithm** for Distributed systems.

UtaVoice- Android Application (Android, MySQL, Java)

**Android utility App** that records class lectures and business meeting which user tends to attend.

* The android application that allows users to record their meetings, lectures and important functions. Implementation of the application was a part of the Software Engineering course using SDLC framework, agile methodologies and design patterns.

Database and Cloud implementation (Java script, JSP, Python, AWS EC2, MS Azure, NoSQL, SQL)

Implementing advanced database technologies using leading cloud services

* Implementation of NoSQL **mongo-db.** Creating complex objects in Mongo Database by importing data from RDB.
* Implementation of **Rigorous Two-Phase Locking** (Wait -die) using Hash table to increase the efficiency.
* Conversion of [**Relational database to XML**](https://github.com/puranikamey/Relational-database-to-XML). Converting Relational data from tabular format to XML format.
* **Picture Sharing application**. Built on **MS Azure** using application service and SQL database. Deployed using Azure plugin for Eclipse.
* Calculating efficiency of the SQL queries in milliseconds on the **MS azure Cloud SQL Database**.
* **Data Visualization** in the form of Pie, bar and Scatter Charts. Deploying this dynamic web application on **MS Azure App service**.
* **Auto Scaling of EC2** instance using ELB. Deploying web service on EC2 instance (Tomcat server). Testing it with **JMeter Stress tool**.
* Picture repository application deployed on **IBM Bluemix (liberty java)** using **Java servlet** and **DB2 SQL database.**

Networking. (Java Sockets, Java Swing, Python, XML)

* **Weather Report Client.** Python application which gets the weather report from Service End point(<https://graphical.weather.gov>).
* **Instant messaging Systems.** Developed using Java Socket programming.
* **Direct sequence spread sequence (DSSS),** simulation using Java swing, java sockets and J-free chart libraries.

Computer Architecture*-*Cache Implementation (Python-pip, request, CAT programs)

* Developing an assembler and virtual machine to **implement direct mapped, two ways set associative, and I plus D cache**.

Masters Coursework

Advanced Algorithms | Distributed Systems | Software Engineering | Software testing | Adv. Special topics Software Engineering | Database Systems |

Adv. Database and Cloud | Adv. Computer Architecture | Computer Networks | Database Systems II | Prog. Lang. Concepts | Wireless Networks | TOC | DS

**GitHub link:** [**https://github.com/puranikamey**](https://github.com/puranikamey)