

Amey Jayant Puranik

Graduate Student at UT Arlington



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Education

University of Texas at Arlington

GPA (3.2)

Masters in Computer Science (Major – Software Engineering & Database technologies)

Aug 2016 – May 2018 (expected)

Bharati Vidya peeth College of Engineering, Mumbai University, India

Bachelor of Engineering, Information Technology

Aug 2010 – May 2014

Technical Skills

Programming Languages	: Java(Struts, Hibernate, Spring Boot), C, C++, Bash, Python (2.7, 3.4).
Scripting Languages	: HTML 5 , XML, JSON, JavaScript with web methods, CSS, JSP.
Development Tools	: Eclipse (Neon, Oxygen), NetBeans 8.0.2, Visual Studio 2017, PyCharm, Android Studio.
Technologies	: AWS Auto Scaling, AWS Load balancing, RESTAPI, MapReduce (Hadoop and Spark), JAX-RS, Spring.
Database Technologies	: MySQL, Oracle 11g, MongoDB, Redis, Memcached, AWS RDS, SQLite, SQL Server 2012 R2.
Others	: MVC Framework, AWS EC2, MS Azure, MS Dynamics CRM, Flask, SDLC, MSCRM live commands.
Operating Systems	: Windows (2007, XP, 8.0, 8.1, 10), Linux.
Testing tools	: Junit, PIT, J-meter, J-walk, Mockito, Eclipse Grinder Stone, Boundary value analysis .

Professional Experience

Dynamic CRM Consultant (Under (v-9) domain, Microsoft vendor) April '15 – July '16 (1 . 3 yrs.) Wipro Pvt Ltd (India)

Major Key responsibility area was to solve problems and issues on the client side related to MS dynamics CRM.

- Played a key role with **Data conversion and migration, Imports and Exports of large user data, designing custom Workflows reports, dashboard and business process flows** in MSCRM at client side additionally working in writing dynamic scripts in **Java script**.
- Worked with creation of users in AD, security roles and field security profiles, **managing, creating, importing and exporting managed and unmanaged solutions** in MS CRM Online. Have an experience on MSCRM online 2013, 2015 update 1.1, 0.2 and 2016.
- Played a key role as the **technical expert** in proposal development and presentations to prospective client.
- Key role in advising **Solution Architecture** to Microsoft CRM Programmers/Developers for Partners and Premier customers.

Curricular Projects Experience

Implementing Algorithms.

(C, C++, Data Structures, Java Sockets)

- Dynamic Programming – **Subset Sum Problem** (NP complete)
- Dynamic Programming – Knapsack Problem.
- Implementing **Ring Election Algorithm** for Distributed systems.

UtaVoice

(Android , MySQL , Java)

Android utility App that records class lectures and business meeting which our user tends to attend. | Jan '17 – May '17

- 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 all the Software Engineering 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**. 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**.

Networking.

(Java Sockets, 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.

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**.

Others

- Participated in many technical paper presentation, and pro level winner of Tech-Hunt 2013 (Webpreneur)
- Sponsorship head of BVCOE for technical festival in the year 2011-2012

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>