

Arnav Ahire

Apt.14101, 13201 Hardy Street, Overland Park, KS - 66213

E-Mail: arnavstarsmj@gmail.com

LinkedIn: <https://www.linkedin.com/in/arnav-ahire>

Phone No: +1 716-951-9071

Github: <https://github.com/arnavahire>

WORK EXPERIENCE:

Cerner Corporation (Missouri, USA) Software Engineer

June 2018 – Present

- Implemented a cache for storing filesystem configurations in Java to reduce the latency in fetching filesystem information from 30 seconds to around 1500 milliseconds while making a REST service call to retrieve patient data.
- Implemented new REST endpoints for a microservice in Java.
- Implemented functionalities for patient portal in Django that allowed patients to schedule appointments, have access to their health records, lab results, medications and also virtual appointments with doctors etc.
- Worked on creating management commands in Django for improving performance and enabling functionalities for a web application and enhanced screen readers experience such as JAWS, Voiceover and Talkback using Javascript for the same.
- Designed and developed a dashboard to show issue details of a particular Jira on clicking a 'quick info' icon button for a web application that dealt with performing batch operations on a Jira that used Java Spring MVC, Javascript and Atlassian's JIRA api.
- Managed and fixed security vulnerabilities for project dependencies using Twistlock.

Infosys Limited (Chennai, India) Systems Engineer

June 2014 – February 2016

- Worked on a project for 'Sysco' which is a food distribution company based in US.
- Performed data migration of 100+ inventory servers from Windows 2003 to 2012 R2 which improved turnaround time for performing queries on underlying data.
- This migration helped the end users in accessing the servers with improved availability and faster response.

EDUCATION:

Master of Science in Computer Science.

Aug 2016 – 1 Feb 2018

State University of New York at Buffalo, Buffalo, NY, USA.

GPA- 3.63

Courses - Analysis of Algorithms, Software Engineering Concepts, Information Retrieval, Computer Security, Distributed Systems, Machine Learning, Computer Architecture, Data Intensive Computing & Data Mining.

Bachelor of Engineering in Computer Engineering.

Aug 2010 - May 2014

Savitribai Phule Pune University, Pune, India

GPA-70.00% (First Class with Distinction)

TECHNICAL SKILLS:

- **Programming languages:** Core Java, Python, Android, C#, JavaScript.
- **Tools & Technologies:** HDFS, Hbase, HIVE, Oozie, Mockito, MapReduce, Twistlock, Jenkins, GitHub, MagicMock, SVN, SQL-Server Database, Apache Solr, JIRA, Visual Studio Code, IntelliJ, Eclipse IDE, Postman, MS Office.
- **Web development:** Django, Spring MVC, AJAX, HTML5, CSS3, XML, JSON.

ACADEMIC PROJECTS:

Clustering Algorithms

October 2017

Studied and performed three clustering algorithms (K-means, Hierarchical Agglomerative with Single Link and Density Based clustering) in Java and performed the parallelized version of K-means using Hadoop MapReduce.

Replicated Key Value Storage

April 2017

A simple implementation of Amazon Dynamo DB (Replicated Key Value Storage) which involved Partitioning, use of Quorum Replication and also facilitating failure handling (1 failure node amongst 5 nodes).

Text Processing using Hadoop MapReduce

April 2017

Performed text processing (lemmatization) on a set of documents containing Latin Text and performed word co-occurrence on these documents using MapReduce.

Group Messenger- Android

March 2017

Implemented a group messenger in Android with ISIS algorithm for total ordering of multicast messages. Also implemented a content provider to store and retrieve messages and their sequence numbers from processes.

Data Ingestion and Solr Setup

September 2016

Collected Tweets through Twitter API using Java in a document (.json format) and performed indexing on the same using Solr and checked whether correct terms were indexed by firing appropriate queries.