Arnav Ahire

Apt. 834, 8400 W 131st Pl, Overland Park, KS - 66213

E-Mail: arnavstarsmj@gmail.com   Phone No: +1 716-951-9071
LinkedIn: https://www.linkedin.com/in/arnav-ahire   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 the 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 DynamoDB (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.