



## RASHMI RAJENDRA GULHANE

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### ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
ME	Software System	BITS PILANI, Pilani	Autonomous Board	8.8	2017
BE	IT	Thakur College of Engineering and Technology	Mumbai University	76.6	2013
Others	Others	Government Polytechnic Mumbai	Autonomous Board	84.91	2010
X	General	St Thomas Academy	Maharashtra Board	87.23	2007

### ELECTIVES/TECHNICAL PROFICIENCY

**Electives** Cloud Computing, Advanced Data Mining, Information Retrieval, Software Architecture, Data Mining, Data Warehousing

**Technical Proficiency** Java, Hadoop, SQL, Python, Dynamo DB, Couch DB, Hive, GitHub, Junit (Mockito framework)

### SUMMER INTERNSHIP/WORK EXPERIENCE

**Amazon Development Center India Limited (Amazon Videos Team)**

**Jan 2017 – Jun 2017**

- **Designation:** SDE Intern
- **Project:** Developing an automated tool in JAVA to check commit consistency between the main-line and the release branch and send out notification to the team with details of commits that are missing from main-line branch. The main feature of this service is that user only have to subscribe, they need not clone the repository to get the updates.
- **Role :** Designing, Developing and Testing this Service End-to-End.

**Accenture Services Private Limited**

**Nov 2013 - Jul 2015**

- **Designation:** Associate Java Developer
- **Project** (Universal Credit): A welfare benefit introduced in United Kingdom to bring fairness and simplicity to the British social security system
- **Role:** Worked majorly in the following areas in Project
  - providing code fix and data repair on live code
  - Worked with clients to solve and document problems
  - Worked on code development in few releases
  - Created Documents and Reviewed them
  - Performed Testing of Application

### PROJECTS

**A segment based approach to soft clustering multi-topic documents** ([GitHub Link](#))

**Feb 2016 - Mar 2016**

- Designed and implemented an Algorithm which will soft cluster research papers
- Cluster were made more representative using topic identification
- For increasing Recall, query expansion has been applied. Results are ranked according to closeness to query

**Resource Provisioning and Instance Caging for database processes in LXC containers** ([GitHub Link](#))

**Oct 2015 - Nov 2015**

- Designed and implemented a database specific container which provide only database processes running inside container more priority in terms of following container resource utilization (CPU time, system memory)

**Data lakes creation on multi node cluster using Hadoop HDFS** ([GitHub Link](#))

**Mar 2016 - Apr 2016**

- Designed and implemented a repository for heterogeneous source of data using Hadoop which could store data in organized manner
- Meta data created during storage is used for efficient search and retrieval of data

**Online Conference Management System** ([GitHub Link](#))

**Feb 2016 - Apr 2016**

- Designed and Implemented an Architecture for Conference Management System by applying various Design Patterns and few Architectural Style

**Creation of Dataset for Image Captioning** ([GitHub Link](#))

**Jan 2016 - May 2016**

- Created a Sports dataset consisting 1,50,000 images and its corresponding text using web crawler
- Crawled results were pre-processed and organized for convenient usage

**File System traversal and Query Answering**

**Aug 2015 - Sep 2015**

- Designed and Implemented a approach using Hadoop for traversing file system
- Also generate distributed graph based on similar keywords between two files
- Stored this distributed graph in memory to answer queries like finding related files

**Community Detection as a Graph Partitioning Problem for Friends  
Community Analysis and finding influential friend in Community**

- An Algorithm is designed and implemented to group similar users in cluster with the help of Newman-Girvan algorithm.
- Influential node within each community is found with the help of depth calculation of the node within a community.

**Parallel classification of Multivariate Time Series(MVTS) Data**

Mar 2016 - May 2016

- Designed and Implemented a Parallel Classifier using Ensemble of Random Forest for MVTS data using Hadoop/MapReduce Framework.

**Social Tag Relevance Learning via ranking oriented neighbor voting([GitHub Link](#))**

Aug 2016 - Dec 2016

- Designed and implemented an Algorithm which will authenticate the validity of tags given to a test image.
- If given test image is wrongly tagged, It would be tagged with correct tags with the help of neighbor voting and image classification.
- Ranking of tags for a image is done to get the topped ranked tags for a given test image.

**Implement HIVE on Hadoop and and analyze the query performance on single node and multinode cluster setup([GitHub Link](#))**

Mar 2016 - April 2016

- Study and analyze Hive data warehouse infrastructure by running analytical queries on retail sata set organized as star schema in hdfs on single node and multinode hive cluster setup.

**POSITION OF RESPONSIBILITY**

Aug 2015 - Jul 2016

**Academic Registration and Counselling Division(ARCD) serve  
as the central node for academic and registration activities at  
BITS PILANI**

- Responsible for handling various activities related to registration/addition/substitution/verification/Website maintenance/handling student queries

**Student Council Member**

Aug 2016 - Dec 2016

- Responsible for student faculty interaction, introducing new courses and designing the course framework

**EXTRA CURRICULAR ACTIVITIES**

Participated in Technical Fest-Apogee (2016) organized at BITS PILANI. Build a project named Management of Database specific containers made easy which provides convenience in managing database containers.

Presented a project Access Migrator at techno-cultural festival Zodiac organized by RGIT (Mumbai University).