

EDUCATIONAL QUALIFICATIONS

MS Information Sciences and Technologies | Rochester Institute of Technology | New York

Expected: Dec'17

Courses: Data Warehousing (OLAP, OLTP, ETL, star schema, Pentaho), Information Retrieval (Text classification & clustering), Server Side Programming (SOAP, REST, PHP), Statistics, and Analytical Thinking (Machine learning tools, data mining, Neural Network) **GPA: 3.33**

B.E. Computer Engineering | Mumbai University | Mumbai, India

Aug'10-May'14

Courses: Data Structures and Files, Analysis of Algorithms and Design, Robotics and Artificial Intelligence, Advanced Database Management

TECHNOLOGIES AND TOOLS

Backend Languages | Frameworks: Java, PHP, R, C++ | JSP, Servlets, SpringMVC, Struts2 **E-commerce Framework:** SAP Hybris | **Apache Solr**

Web Development Technologies | Web Server: JavaScript, AJAX, HTML5, CSS3, XML, Google Analytics, SOAP/REST | Apache, Tomcat

Databases | Tools: MS SQL, Oracle DB 10g, MongoDB, MySQL 5.1, Neo4j, PLSQL | SSIS, Pentaho, SAS, MATLAB, Minitab, Weka, Tableau

PROFESSIONAL EXPERIENCE

Tutor, RIT HEOP, Rochester, NY

Feb'17-May'17

- Tutored for MGIS-330 Systems Analysis and Design course and ISTE-121 Computer Problem Solving: Information Domain II.
- Imparted topics like File I/O, Threads Synchronization, Exceptions, Client/Server Programming, Domain Model, and Project Mgmt.

Senior Software Engineer, IGATE Global Solutions (Capgemini India)

Sep'14-Jul'16

Project Description: A **B2B e-commerce** service with multi-channel approach based on **agile methodology** with advance functionalities for mobile and desktop devices.

Technologies: SAP Hybris (4.x & 5.x), Struts, Spring MVC, JSP, AJAX, Apache Solr, Oracle Endeca, Apache Web Server, SSIS, SVN

- Responsible for full stack development of core functionality to **consume ERP services** to display prices, error messages on web pages.
- Implemented protocols to validate users and access rights for **e-procurement systems** like SAP Ariba and OCI at application end.
- Executed effective processes for **web store migration** and performed activities like BeanShell script for **import and export** of data, SQL queries, **Solr search engine setup and optimization**, integrated and validated web-services, and **content management system** setup.
- Merged two web stores with migration of static content & B2B data, Endeca Search setup and automated **CRON** jobs integration.
- Resolved blockers issues of product catalog data, and critical issues of **Google Analytics**, SSIS packages, map locator and Apache server.
- Involved in essential meetings with clients, lead and owner of beta-live of project and worked on all s/w development processes.

Research Intern, Bhabha Atomic Research Center, India

Jun'13-May'14

- Worked on Project '**Development of De-noising Algorithm Using Wavelets**' to improve the efficiency of white noise filtering.
- Researched Fourier transform, **wavelets** and obtained **Time-Frequency Analysis** of de-noised signal for seismic data set using **MATLAB**.

PROJECTS

Information Retrieval and SPAM SMS Classification (Tools: Android Studio)

- Developed an **android application** to classify SPAM and HAM SMS using **classification algorithm** and preprocessing using **stemming, tokenization** and stop words removal.

Employees Flight Risk Analysis (Tools: Weka, R, Tableau, and Excel)

- Performed **exploratory data analysis** using Tableau and preprocessing techniques on data set using **WEKA and R**. Developed classification model using **comparative analysis of data mining algorithms** to give better accuracy based on Critical thinking concept.

Finance Data Warehouse (Tools: Pentaho, SAS, MySQL Workbench)

- Designed **star schema** based on dimensional analysis using Kimball's approach of data warehouse for sales information of a company. Performed **ETL process** using Pentaho, SAS and MySQL Workbench, and executed **OLAP** queries, aggregated data marts, slowly changing dimensions, business queries and many- to-many relationships using SQL to analyze sales and profit of organization.

Statistical Analysis of correlation of drug use with age (Tools: Minitab)

- Analyzed National survey data using **stratified random sampling**, correlation, regression and **confidence interval**.

Appointment Management System (Technologies: PHP, Java, SOAP UI)

- Built a web application of appointment system based on **XML-RPC, SOAP and REST** services with service & business layer, PHP Client.

Customized Gifts E-commerce Website (Technologies: PHP, MySQL, CSS3, HTML, JavaScript)

- Developed an E-commerce website displaying customized gifts using PHP and MySQL database for back-end and CSS for front-end. Used MD5 encoding for passwords, sessions and cookies for add to cart and login functionalities and implemented admin operations.

Stack Overflow Web Application (Technology: Java Servlets, JSP, MongoDB, and AWS EC2)

- Developed a web based search application for Stack overflow data with user comments functionality using **JSP Servlets and MongoDB**. Loaded multiple data files using **MongoDB aggregation queries** and hosted database server on AWS EC2 Cloud.

PUBLICATIONS

Co-authored technical research paper "[Time Frequency Analysis of Continuous Signal Using Wavelet Transform](#)", published in International Journal of Current Engineering and Technology, Volume 4 (June 2014).