

ERARICA MEHRA
97, White Wood Street, Malibu Towne, Gurgaon, India | 7507049632
erarica.mehra@gmail.com | <https://github.com/Erarica-Mehra> | <https://www.linkedin.com/in/erarica-mehra>
<https://www.erarica-mehra.com>

EDUCATION

Pad. Dr D.Y Patil Institute of Engineering, Management and Research
(affiliated to Savitribai Phule Pune University)
Bachelor of Engineering in Computer Science (**Aggregate: 64.4%**)

Pune, India
(Aug 2012 - May 2016)

EXPERIENCE

Aerobay

Software Engineer

Gurgaon, India
(Sep 2018 - Present)

Product Performance Analytics and Inventory Analytics

- Designed and developed an analytics project to extract, transform, load e-commerce data.
- Designed a high-performance data model in Cassandra to capture raw data and store analyzed data.
- Created jobs in Spark and Scala to transform raw data into analyzed datasets to gather relevant insights on sales, unique purchases, average order value, product revenue and monitor the performance of the landing pages.

Aerobay

- Integration of Payment gateways; Paypal and MangoPay, into the e-commerce platform.
- Integrated the application with FedEx Rate Request Web Service to generate pre-ship rating information and to determine billing quotes.
- Developed functionality to sync registered user data from the application to Hubspot(CRM software).
- Created a Batch Processing feature to run jobs on an hourly, weekly and monthly basis.
- Improved the performance of the Bulk Upload feature using RabbitMQ to asynchronously update products
- Built feature to store documents and invoices of individual users using Amazon S3.
- Worked on improving the performance of the Search feature of the application using Apache Solr.
- Developed a User Impersonation functionality for Customer Support allowing them to access the system as a real user
- Created and maintained REST APIs to search, save, update and delete specific products from the inventory. Used OAuth Authentication to provide read-write access to successfully validated and registered users. Created documentation of the REST APIs on SwaggerHub
- Designed and improved the user experience of several processes of the application such as adding/removing products to/from cart, order process, reviewing order summary and generating invoices
- Designed and developed Home Page displaying the Latest Deals and Promotions using Redis.

Tata Consultancy Service Limited

Assistant System Engineer, Vodafone India Service Private Limited

Pune, India
(March 2017 to Aug 2018)

Backend Developer, My Vodafone App

- Developed and maintained APIs to receive the search request, validate the request payload, look for possible prepaid and postpaid plans by calling a SOAP web service, filter and create a response for the mobile application in JSON format.
- Enhanced functionality to receive a recharge request from the mobile application, validate the request and enqueue it to a JMS queue.

Full Stack Developer, Unified Prepaid Support System, Vodafone

- Assisted in developing various modules for file reading, data filtering and event processing designed for assigning offers to specific subscribers
- Created a bulk upload functionality to read, validate and store subscriber data from a large CSV file.
- Participated in the design and development of the application Home Page.

Full Stack Developer, Central Point of Sales, Vodafone

- Assisted in the development and maintenance of a feature to generate invoices as per the new GST(Goods and Service Tax) norms laid down by the government of India.
- Worked on increasing the performance of existing functionalities and improving user experience.

Tata Consultancy Service Limited

Assistant System Engineer Trainee, Initial Learning Program

Gandhinagar, India

(Feb 2017 – March 2017)

- Training on Java (Core & Advance), Servlets, Struts Framework, SQL , Oracle, HTML and CSS
- Training on corporate ethics, communication and presentation skills

TECHNICAL SKILLS

Language:	Java, Scala, Spark, Javascript, C, C++, Python
Web Technology:	HTML, CSS, JSP, Servlets, jQuery, Angular Js, React
Frameworks:	Hibernate, Spring MVC, Thymleaf, JDBC
Web Services:	REST Web Services
DataBase:	Oracle, SQL, MySQL, Redis, Cassandra, Blockchain
Search Server:	Apache Solr

PROJECTS

1. Title: Data Analytics for an e-commerce website

(May 2020 -June 2020)

Implemented a data analytics project with Spark and Cassandra to monitor customer behavior, inventory and product performance.

2. Title : Recommendation engine for Movies

(June 2020- Sept 2020)

Built a recommendation system that uses Apache Solr's search capabilities and Spark's machine learning to provide movie recommendations.

3. Title: Whatsapp clone

(Jan 2021- Mar 2021)

Built a replica of WhatsApp with React, Javascript, React Context API, Google Authentication and Firebase.

4. Title: Face Recognition System (sponsored by Persistent System Limited)

(Jan 2015 - Jan 2016)

Developed a Face Recognition System that compares the features of the image to be authenticated with the training data set and displays details of the identified person. The application captures several images as a training data set, detects and stores the faces from the images to be used for authentication later.

PUBLICATIONS

- **Face Recognition using Principal Component Analysis** *(March 2016)*
International Journal of Advanced Technology in Engineering and Science(IJATES), Vol No 4, Issue No 3
- **Facial Recognition using Perceptual Hash and ORB** *(March 2016)*
International Journal of Research in Science and Engineering(IJRISE), Vol No 2, Issue No 4