

# RESUME

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## Career Objective

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Secure a responsible career opportunities to fully utilize my Training skills and knowledge, while making a significant contribution towards the success of the company.

## Technical Skills

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### JavaScript

- Manipulating websites using JS window Object
- Concept of DOM and creating website layout
- Creating, removing and replacing elements in DOM
- Handling events in JavaScript
- Storing the data in Local and Sessions storage
- Knowledge of object literals, constructors and object prototype
- Having experience in using Ajax to send and receive data
- Experienced in using fetch to receive the data using API
- Handling and validating forms in JavaScript
- Good knowledge of promises and Call back functions
- Skilled in using Try and catch block

### *Node JS:*

- *Creating and running the server in Node JS*
- *Handling JSON data in NODE JS*
- *Handling the events NODE JS*
- *Creating routes and handling http requests*
- *Reading the file data using streams*
- *Good Knowledge of routing in express JS*
- *Skilled in using EJS and HBS template*
- *Connecting NODE JS server with MONGODB database*
- *Creating a simple RESTFUL API with NODE JS and MONGODB as database*
- *Performing crud operations (GET, PUT, POST and DELETE) in using REST API*
- *Performing JWT Authentication of User using REST API*
- *Connecting NODE JS server with MYSQL database.*
- *Performing crud database operations using SQL queries*

#### *React JS:*

- *Sending data as props in React*
- *Knowledge of function components in React*
- *Knowledge of Basic usage of class components in react*
- *Handling events in react*
- *Skilled in handling forms in react*
- *Knowledge of component lifecycle methods in react*
- *Having basic knowledge of using React Hooks.*
- *Connecting React frontend to MONGODB using NODEJS as Backend.*
- *Performing Crud operations (GET, POST, DELETE, PUT) using AXIOS*

#### *Angular JS:*

- *Accessing the DOM elements in angular*
- *Handling forms in Angular both reactive and Template driven*
- *Creating and Handling routes in angular*
- *Protecting the routes by using authguard*
- *Passing parameters and data through routes*
- *Knowledge of data binding in angular.*
- *Creating and injecting services in angular.*
- *Connecting angular Frontend to Java Spring Starter Project at backend*
- *Basic knowledge of typescript to create data models*
- *Handling HTTP request (GET, POST, DELETE, PUT) in angular using services*
- *Modifying the requests using Interceptors*

#### **Core Java:**

- Knowledge of object oriented programming
- Skilled In Concept of Inheritance
- Application of method and constructor overloading
- Basics of multithreading in Java
- Implementation of interface methods
- Good knowledge of polymorphism in Java
- Knowledge of Exception handling in Java

#### *Java Spring Boot:*

- *Creating RESTFUL API service in spring boot project*
- *Usage of one to many mapping in project*
- *Usage of many to many mapping in project*
- *Building a project frontend using Thymleaf template*
- *Implementation of spring security in the project*
- *Handling formdata from Thymleaf using RESTFUL API.*
- *Connecting spring boot backend with MYSQL by using spring data JPA*
- *Performing crud operations in MYSQL using JPA*

## Databases:

**MONGODB:** Performing crud operations (GET, POST, DELETE, EDIT) using NODEJS.

**MySQL:** Performing crud operations (GET, POST, DELETE, EDIT) using MONGODB and JAVA

## Education

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### PROFESSIONAL DEGREES

**Master of Business Administration (MBA) from PES University Bangalore**

**MSc of Science, Physics** (*specialization in measurement and instrumentation*) **from Patna University**

**BSc Physics from Patna University**

### ONLINE COURSES:

**The complete web development Bootcamp 2022 (Udemy)**

**Master Spring framework, Spring Boot, Rest, JPA, Hibernate (created by Eazy Bytes)**

## Full Stack Web Development Projects

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### Project: 6

**Project title:** FreeStudyMaterialweb

**Duration:** Feb 2022 to July 2022

**Environment:** Windows 7/10

**Domain:** Education.

**Technologies used:** NODEJS (Backend), JAVASCRIPT (Frontend), Clever Cloud (Database)

**Description:** This application is an online portal where students can register themselves, access the study material created by admin and write quiz which is also created by admin of this website. Authentication of every user is mandatory during the registration process. Uploading of study materials in form of pdf files is allowed only for admin. Candidates can also see their result after the quiz and view the solutions of the questions in the quiz. An instant chat app is also present in the application where user can chat and share images with other users. Admin can interact with users through screen sharing and chat application.

**Link:** <https://neweducationworld.herokuapp.com/>

**GitHub:** <https://github.com/rav39439/Neweducationworld.com>

**Activities:**

- Understanding all the requirements and prioritizing them for this project
- Identifying and understanding all the features and modules for the requirements
- Creating a NODE JS server and integrating it with express to handle requests of user.
- Establishing connection between Clever Cloud Database (MySQL) with NODE JS server.
- Developing the frontend using JavaScript.
- Improvement of performance and stability of the application.
- Increased the responsiveness of the application for mobiles and tablets.
- Deployment of the application on heroku.

## Project: 5

**Project title:** OnlineEcommerceStore

**Duration:** June 2021 to Dec 2021

**Environment:** Windows 7/10

**Domain:** Ecommerce.

**Technologies used:** NODEJS (Backend), ReactJS (Frontend), MONGODB (Database)

**Description:** This application is an online ecommerce platform where admin can login and create an online shop. The admin can then edit, delete and add new products to his shop. The new customers after registering to his websites can view the details of his products and place order for various items in shop. The admin can access the details of his shop by entering his shopperscode in a separate module and then he can view all the order details placed by customers. The admin can then accept or decline the order of the customers based on the details made by them. The customers can also view their order status details in this application

**Link:** <https://ecommercewebshop.netlify.app/>

**GitHub:** <https://github.com/rav39439/Mernnewclient>

### Activities:

- Finding and Understanding the necessary requirements for this project
- Analysing and studying the critical features in various modules that can be developed in the project
- Creating the Node JS backend with models, routes and controllers
- Connecting the Node JS backend with MONGODB ATLAS using proper credentials
- Configuring the React JS Frontend with proper dependencies and then connecting to NODEJS server
- Authentication of user requests using accesstoken generated at the time of login
- Handling forms in React JS and making requests to NODE JS server via AXIOS.
- Using Socket IO for real-time sending and receiving the data.
- Development of all the important modules in the project.
- Continuously improving the performance and stability of the application.
- Enhancing the responsiveness of application for mobiles and tablets.
- Hosting Node JS API on HEROKU
- Creating the Build of the application and deploying the build on NETLIFY.

## Project: 4

**Project title:** PromoteYourProduct

**Duration:** Jan 2021 to May 2021

**Environment:** Windows 7/10

**Domain:** Marketing.

**Technologies used:** NODEJS (Backend), JavaScript (Frontend), MONGODB ATLAS (Database)

**Description:** This application is an online ecommerce platform where admin can login and Post his/her Product. If admin has a product then he can post the details of his product. Admin can also post events to promote his product. The normal users can register themselves in this application with their valid email

address. They can view the products of the admin in product section and then they can go through the details of product. Based on the details of the product, they can also place an order for that product. Admin can login to application and accept or decline the order. Users can also view their order status. Connected users can also chat with each other users through text and images.

**Link:** <https://newblogecomm.herokuapp.com>

**GitHub:** <https://github.com/rav39439/myblog>

#### **Activities:**

- Finding all possible requirements and understanding them thoroughly
- Identifying and finalizing the necessary features and modules to be developed for this project
- Creating the Node JS server and integrating it with express to handle requests and response
- Connecting the Node JS server with MONGODB Atlas using Atlas credentials and mongoose
- Development of the frontend using JavaScript
- Authentication of the user each time when he/she login to application.
- Keeping the track of user activities by creating the user sessions
- Storing the media and files in MONGODB Atlas using gridfs.
- Streaming the media and files whenever required.
- Using Socket IO to send and receive media files and user data
- Creating an interactive dashboard for the user to access his activities and data
- Improving the performance and response time of the application by compressing files
- Making the Application is responsive for mobile and tablets
- Deploying the Application on Heroku

### **Project: 3**

**Project title:** **OnlinecourseMangement**

**Duration:** June 2020 to Dec 2020

**Environment:** Windows 7/10

**Domain:** Education.

**Technologies used:** Java Spring Boot (Backend), Angular JS (Frontend), Clever Cloud (Database)

**Description:** This application is an online platform for educational institutions to create, store and manage the huge amount of data that is generated during the entire curriculum. The application helps the admin to create, modify and delete the courses for semesters in a college. It also helps the admin to register the students and keep track of their progress. Admin can publish results of the students and also send them news of any upcoming events in college. Student can also login to the application and check their results, registration details and any recent activities in college.

**Link:** <https://collegecoursemanagement.netlify.app>

**GitHub:** <https://github.com/rav39439/Collegemanagement>

#### **Activities:**

- Finding and studying the problems faced by educational institution today.
- Identifying the necessary features and modules that will help them to overcome their problem to some degree

- Configuring the necessary dependencies in spring boot project to develop the features in the project
- Connecting to Clever cloud Database via spring data JPA
- Creating a spring boot server to handle the requests and responses made by the users of application
- Developing the Angular JS frontend and make requests to spring boot server using http module
- Authentication of users using accesstoken generated at the time of user login
- Handling forms in Angular JS and making requests via services.
- Setting the data format in requests using typescript.
- Development of necessary modules and features in the application
- Improving the performance and stability of application
- Increasing the responsiveness of application on mobiles and tablets
- Deployment of Java Spring Boot API on Heroku and AngularJS Frontend on Netlify

## Project: 2

**Project title:** MySharePostApp

**Duration:** Jan 2020 to May 2020

**Environment:** Windows 7/10

**Domain:** Marketing.

**Technologies used:** Java Spring Boot (Backend), Angular JS (Frontend), Clever Cloud (Database), Thymeleaf (template)

**Description:** This application is a medium for people to connect and share posts. Users can register in this website and search other registered users and connect with them. They can view their private posts and comment on them. Users can post advertisement of their product or any new occasions. They can also share news and events with their connections.

**Link:** <https://mynewsharepostapp.herokuapp.com>

**GitHub:** <https://github.com/rav39439/Mynewsharepostapp>

### Activities:

- Identifying the basic and critical features of a social media app
- Studying the features thoroughly and figuring out the way for their development
- Connection Spring Boot backend to Clever Cloud Database via spring data JPA
- Creating the user Interface by using Thymeleaf template.
- Authentication of user using email during registration
- Handling forms in Thymeleaf template.
- Development of the basic features for this application
- Making the application responsive on mobiles and tablets

## Project: 1

**Project title:** OnlineWebLibrary

**Duration:** June 2019 to Dec 2019

**Environment:** Windows 7/10

**Domain:** Education.

**Technologies used:** NODEJS (Backend), JavaScript (Frontend), MongoDB (Database)

**Description:** This application is an Online Library store where admin can add books, register users for library and keep the record of assigned books to users. Admin can collect payment based on per day usage of the book by users. Admin can also filter books by their name and their status (whether assigned or not assigned). Moreover he can also filter the user based on their name and also based on books assigned to them. Hence he can track all the users who have books of library. By using the user's verified phone numbers and emails admin can follow-up with them. Users can view different books that are not assigned in this application.

**Link:** <https://onlineweb.lib.onrender.com>

**GitHub:** <https://github.com/rav39439/OnlineNewLibrary>

### Activities:

- Studying and analysing the problems faced by library management today
- Identifying the possible features and modules that can overcome this problems to large extent.
- Creating Node JS server at backend and integrating it with Express JS to handle requests and responses
- Development of the frontend using JavaScript
- Establishing the connection of Node JS server with MongoDB Atlas database.
- Handling the forms in JavaScript and using it to make GET, POST requests to NODEJS server.
- Handling the formdata in NODE JS server
- Performing crud MongoDB operations (GET, POST, DELETE, and PUT) on MongoDB database.
- Increasing the responsiveness of application in mobiles and tablets.
- Improving the performance and stability of the application.

## Declaration

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Thereby I affirm that information given in the document is correct to best of my knowledge.

(Ravish Kumar)





