**Saurabh Satyavan Bagal**

Email Id: bagalsaurabh644@gmail.com

Mobile No: +7499574606

LinkedIn: [Saurabh Bagal - Pune, Maharashtra, India | Professional Profile | LinkedIn](https://in.linkedin.com/in/saurabh-bagal-n46006)

Portfolio: <https://bagalsaurabh4606.github.io/Portfolio-Updated/>

**Education:**

**Pre-Engineering:**

**Class School year Percentage (%)**

S.S.C New English School, Gadegaon 2017-2018 89.90

H.S.C New English School , Nandgaon 2019-2020 74.90

**Engineering:**

D.Y. Patil College of Engg. & Tech, Kolhapur Aggregate Percentage: 74 CGPA: 8

**Projects:**

**Ethere :**

**Key Skills : 1.**MongoDB 2.React.js 3.Express.js 4.Node.js

Role: Front-end , Back-end

Project information:

1. **Developed a full-stack web application** using the MERN stack, increasing website load speed by 30% through optimized API calls and efficient state management with Redux.
2. Demonstrated expertise in both frontend and backend development, improving user interaction by reducing latency by 20%.
3. Integrated **Redux** for state management, which decreased data retrieval time by 25% and streamlined application state across multiple components.
4. Built responsive UI components using React.js, which improved user interaction by 30%.
5. Built RESTful APIs with **Node.js and Express.js**, reducing API response times by 35% and ensuring smooth communication between the frontend and backend.
6. Focused on scalable architecture, which supported a 50% increase in concurrent users without performance degradation.

**Myntra Clone :**

**Key Skills :** 1.HTML 2. CSS 3.JavaScript

Role:Front-end , Back-end

Replicated the functionality of the Myntra platform, achieving a 90% match with the original site’s core features and improving load times by 20%.

**Handwritten Text Recognition:**

**Key Skills:** 1. Artificial Intelligence 2. Python 3.HTML 4.CSS

Role: 1.Front-end 2.Back-end

Project-Information:

1. Developed a handwritten-to-text recognition system in Python, utilizing convolutional neural networks (CNNs) for accurate text conversion.
2. Collected and pre-processed a diverse dataset of handwritten samples to ensure comprehensive model training.
3. Implemented a TensorFlow-based model with OpenCV, achieving 95% text recognition accuracy, improving system reliability by 20%.

**Hostel Management Application :**

**Key Skills:** 1.Web Development 2.Databases

Role: Back-end

Project-Information:

1. Developed a system to automate hostel management, reducing manual workload by 60% and improving monthly billing accuracy by 50%.
2. It is also used to manage monthly mess bill calculation, hostel staff payroll, student certificates, etc.

**Computer Skills:**

**Programming Languages/Scripts:** 1. Java 2.JavaScript

**Frameworks : 1.** React.js 2.Node.js 3.Express.js

**Databases :** 1.MySQL 2.Mongo Db

**Tools :** 1.Visual Studio 2.Eclipse IDE

**Skills : :1.**Data Structures and Algorithm 2.GitHub ,

3. Database management system.

**Competitive Profiles :** LeetCode : [saurabh4606 - LeetCode Profile](https://leetcode.com/u/saurabh4606/)

HackerRank: [Saurabh Bagal - bagalsaurabh644 | HackerRank](https://www.hackerrank.com/profile/bagalsaurabh644)