

# HITESH YADAV

## SOFTWARE ENGINEER

A Software Engineer with over three years of professional experience in developing scalable and maintainable enterprise applications, with a good understanding of core computer science fundamentals like DBMS, Data Structure and Operating System and love towards teaching.

## CONTACT INFORMATION

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## SKILLS

- **Programming Languages:** Python, JavaScript, Java and C++.
- **Frameworks:** ReactJS, Node.js, Django, Express, Spring Boot, NestJS
- **Database:** PostgreSQL, MongoDB, MySQL
- **Others:** Elasticsearch, RabbitMQ, Celery, Redis, SQS, Git

## EDUCATION

### BTU, BIKANER

*Bachelors of Technology*

- Teaching Assistant for Database and Web applications development using Python and ReactJS.
- Database Management System
- Data Structure & Algorithms
- Operating System

### IIT BOMBAY

*Research Intern*

- Worked on PLY(Python LEX & YACC) for program analysis and learning about programming language analysis.
- Learn about the Program analysis and how to understand the data flow and control flow of any software after reversing it.

## OTHERS

- Qualified GATE and other different exams related to computer science.
- Active open-source contributor at different open source projects.
- Worked on 30+ projects self and freelance projects.

## WORK EXPERIENCE

### SOFTWARE ENGINEER

*Greenlight Planet India, Gurgaon*

July 2021 -

- Setup centralised Elasticsearch cluster for improving partial search and autosuggestion provided to users by almost 50%.
- Worked on setting up centralised user management and Authorization services for other applications along with setting up the MicroServices

### FOUNDING ENGINEER

*Bitespeed, Gurgaon*

Jan - July 2021

- Worked as initial engineer in setting up different applications along with creating services for internal analytics dashboard, setting up centralized messaging and logging services.

### SOFTWARE ENGINEER

*Instahyre, New Delhi*

Aug 2019 - June 2020

- Splitting up our monolithic architecture into microservices, while refactoring the codebase and introducing modern code practices.
- Optimized internal dashboard by almost 5 fold using different optimization techniques like DB indexing, async tasks, caching, etc

## PROJECTS

### BROWSER EXTENSION FOR TRACKING LEARNING ACTIVITIES.

**Tech Stack:** ReactJS, ExpressJS, MongoDB

- Browser extension for tracking your daily learning activity on different platforms like Leetcode, Hackerrank, Codeforces, Codechef, etc.
- It will help in revising the old questions and concepts more efficiently.

### REALTIME CODING & COLLABORATIVE TOOLS

**Tech Stack:** ReactJS, Node.js, ExpressJS, Socket.io, MongoDB

- Live collaborative tools like a code editor for peer coding with other people.
- Chat for real-time discussion and thought to share.
- These tools come up with features like real-time sharing, moderator access, commenting and sharing.

### STUDENT MANAGEMENT & RESULTS SYSTEM

**Tech Stack:** ReactJS, Python, Django, MySQL, RabbitMQ, AWS

- Developed scalable student management system for the university.
- Features like Result system for students to check their results anytime, fees deposition, receipt generating, and apply for any queries.
- Admin can send SMS, Email(Bulk), Notifications, managing permission levels, adding and managing students and employees.