

# Divyansh Falodiya

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## EXPERIENCE

### SHOPOUT INDIA | FULL STACK DEVELOPER INTERN

Oct 2021 – Jan 2022 | Remote

- Developed a live stream event feature using **Agora SDK** on a **ReactJS** frontend with **Typescript**.
- Implemented realtime messaging using **Firebase** and integrated it with the live stream event.
- Built a user booking feature that allows users to book live demos with a store.
- Designed and developed the **Rest APIs** for an invoicing feature along with realtime updates using **NodeJS** and **Firebase** while utilizing **MongoDB** as the database.

### BROWNWOLF STUDIOS | FRONTEND DEVELOPER INTERN

Aug 2020 – Sep 2020 | Remote

- Built the user interface for an online ticket booking system using **NextJS** and **Material UI**.
- Improved the security of the system by implementing client-side authentication using **JSON Web Tokens**.

## PROJECTS

### 11 BUGS Github | Live

- Built a web platform that allows users to link their Github, Codechef and Codeforces profiles and score them using a custom algorithm.
- Designed the **Rest APIs** for user recommendations, profile search and user friending using **NodeJS**, **ExpressJS** and **MongoDB**.
- Implemented user authentication by employing **JSON Web Tokens** and storing them on the browser as cookies.
- Worked on building the user interface for multiple pages using **ReactJS** and **Material UI**.

### GRASP Github | Live

- Created a web application that helps users build a roadmap for their personal goals.
- Developed the chat interface for the application using **ReactJS** and **Material UI**.
- Designed the **Backend APIs** for user authentication, user connections and roadmap management while utilizing **MongoDB** as the database.
- Implemented realtime messaging for connected users using **SocketIO** and secured the messages by encrypting them using **AES Encryption**.

### CLASSROOM Github | Live

- Developed a web platform for teachers and students to engage in a virtual mode.
- Designed and built the **API Endpoints** for user authentication and authorization, assignment management and announcements using **NodeJS** and **ExpressJS**.

### PLAG Github

- Built a plagiarism detection system for source code files written in C++ and Java.
- Applied feature extraction using language-specific open-source libraries in **Python**.
- Implemented **Latent Semantic Analysis** to detect the level of plagiarism.

## EDUCATION

### IIIT, GWALIOR

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE ENGINEERING  
May 2023 | Gwalior, MP

## LINKS

**Github** : DivyanshFalodiya

**LinkedIn** : divyanshf

**LeetCode** : DevF

**CodeChef** : divyanshf

## SKILLS

### PROGRAMMING LANGUAGES

C++ • Javascript • Python • SQL

### DEVELOPMENT

ReactJS • NodeJS • ExpressJS  
MongoDB • HTML/CSS • Bootstrap  
EJS • NextJS • ThreeJS  
MySQL • RestAPI • Typescript

### TOOLS/TECHNOLOGIES

Git • Github • Latex  
Blender • Android Studio • Visual Studio  
Adobe Illustrator • Heroku • Firebase

### OTHER

Problem Solving  
Data Structures and Algorithms  
Sketching  
Japanese Language (Novice)

## ACHIEVEMENTS

- Secured **First Position** among 50+ teams as the winner of Hackrocket 2022, a hackathon organized by Athenasquare.
- Ranked under **Top 6** teams among 1100+ participants in Codoctober 2021.
- Reached a highest rating of **1822 (4 Stars)** on Codechef.
- Secured a global rank in **Top 500** in March Lunchtime 2022 on Codechef.

## COURSEWORK

Algorithms and Data Structures  
Machine Learning  
OOP Programming  
Database Management System  
Software Engineering  
Graph Theory