

# Bhargav Jeerreddy



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## Entry Level Frontend Developer

A goal-oriented Entry Level Frontend Developer with knowledge of HTML, CSS, JavaScript, React, TypeScript seeking to use technical proficiency and creativity to develop engaging user experiences and advance in a professional career. Looking to leverage effective debugging, code testing with Jest and RTL, code optimization and project collaboration capabilities to produce applications that exceed user expectations.

## Projects

**Project 1:** Complete Ecommerce Website Application - React/Redux/Firebase/RESTfulAPI

**Project 2:** Instagram Clone - React/Firebase/MaterialUI

**Project 3:** A Movie Application-OTT - React/Bootstrap/RESTfulAPI

### Expertise in React Development:

- Build seamless responsive, dynamic user interfaces incorporating catalog displays, item details using React
- Implemented React Router for smooth navigation and state management for efficient data handling.

### Firebase Integration Mastery:

- Firebase for user authentication, ensuring secure sign-up, login, and logout functionalities.
- Integrated Firestore database to manage item data, enabling efficient retrieval and modification.

### API Integration and Data Handling:

- Interfaced with external RESTful APIs, enabling the app to fetch additional data and related information.
- Implemented robust data handling mechanisms, including data fetching, error handling with strong API integration skills.

**Project 4:** Responsive Personal Portfolio Website – HTML5/CSS3/vanilla JavaScript (ES6)

**Project 5:** Clone websites (Facebook, LinkedIn, Airbnb, YouTube & Netflix) – HTML5/CSS3/vanilla JavaScript (ES6)

### Responsive Design Mastery:

- Created adaptive and responsive layouts using fluid grids, media queries, and flexible elements.
- Included features like form validation, interactive menus, slideshow galleries, and dynamic content updates.

### Interactive JavaScript Implementation:

- Applied JavaScript for enhanced interactivity and functionality within projects.
- Implemented event listeners for user interactions, enabling features like interactive navigation menus, collapsible sections, and modal dialogs for enhanced user engagement.

## Skills and Competencies:

### Languages:

- HTML5, CSS3
- JavaScript (ES6), TypeScript
- Python

### Frameworks/Libraries:

- Bootstrap 5, SASS, MaterialUI
- React.js, Redux (State Management)

### Testing & Quality Assurance:

- React Testing Library (RTL), Jest

### API Proficiency:

- RESTful API
- GraphQL (Apollo Client/React)

### Database Management:

- MySQL

## Work Experience:

### GIS/GPS Manager (Waqf Project – Central Govt.) – IIT Hyderabad

June 2022 – May 2023

#### Achievements:

- Boosted productivity by 20% through automating daily creation of comprehensive Excel summaries for surveyed data which include various parameters.
- Optimized data collection and manipulation efficiency by seamlessly integrating Python with MySQL API, including the creation of a robust relational database management system (RDBMS).
- Developed a robust GUI with image compression and file manipulation capabilities, resulting in a 50% reduction in data verification and uploading load.

### Assistant Professor – Faculty – Hyderabad

June 2018 – Aug 2020

Vasavi college of Engineering – 12 months, AVN college of Engineering – 9 months

#### Contributions:

- Offered three courses to undergraduate students.
- Guided four final year students in their major projects.
- Actively contributed to course curriculum revision and supervised activities at the departmental tech fest.
- Mentored more than 100 students as a faculty coordinator.

## Education

### Masters in Environmental Engineering

Aug 2020 – July 2022

- IIT Hyderabad, Telangana
- C.G.P.A : 9.76

### Masters in Marine Structures

July 2016 – June 2018

- NIT Surathkal, Karnataka
- C.G.P.A : 7.47

### Bachelors in Civil Engineering

July 2011 – May 2015

- Koneru Lakshmaiah University, Vijayawada, A.P
- C.G.P.A : 7.83

## Publications

### Conference – INCHOE 2018, 26-28 September, CWPRS Pune

Bhargav.J, Nasar.T and Kunhimammu Paravath (2018) “A study on shoreline configuration dynamics of Beypore estuary using End point rate analysis – During and Post Construction of Breakwaters” Indian national conference on INCHOE 2018.

## Languages

Telugu, English, Hindi

I hereby declare that all the information given above is genuine to the best of knowledge and I take full responsibility for its correctness.

**Bhargav Jeerreddy**