

**Tejeswar Rao Boora**  
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**Objective:** To work in an environment with high team spirit where my abilities contribute towards the growth of the organization, in the process of achieving professional competence and satisfaction.

### **Educational Qualifications**

- Bachelor's Degree in Electronics & Communication Engineering from **Gurunanak Institutions Technical Campus**, Hyderabad, 2023, with an aggregate of 63.9%.
- Intermediate Education in MPC from **Narayana Junior College**, Hyderabad, 2019, with an aggregate of 94.7%.
- SSC from **Bhadrachalam Public School**, 85.5% aggregate.

### **Experience Summary**

1. Automatic pollution detection and monitoring of coal mining and quarrying industry using Arduino
  - The main objective of the project is to monitor the air quality in industrial areas.
  - Pollution-causing agents are continuously monitored using sensors, which transmit data to a mobile phone via Bluetooth and Wi-Fi technology.
  - Software utilized: Arduino platform for coding, connecting to the Arduino Uno/microcontroller board for programming and communication.
  - Atmega328p microcontroller is employed to manage the task.
- Led the team on this project during the final year of graduation, overseeing all the project phases from documentation to implementation.
- Maintained close collaboration with team members, ensuring smooth communication throughout the project duration.
2. React Portfolio Application
  - Designed a personal portfolio website using React to showcase my technical skills and projects, aiming to create a highly interactive and attractive page that demonstrates my expertise in web technology.
  - Ensured high responsiveness for seamless user experience on both desktop and mobile devices.
  - Integrated a contact form for smooth communication.
  - Technologies used: HTML, CSS, JavaScript, React.js.
- Utilized React.js to design the site, ensuring responsiveness and engaging user experience.
- Conducted thorough testing to ensure seamless performance across various devices.

### 3. Chat Application

- Developed a real-time chat application to enable seamless communication among users, with the primary objective of facilitating real-time message exchange and fostering efficient and interactive conversations, showcasing my interest in web applications.
  - This application supports group chats, one-on-one chats, image and file support, and read receipts.
  - Utilized web sockets to build chat services within the application.
  - Technologies used: React.js, Node.js, and ChatEngine.io for integrating chat functionality.
- Integrated read receipts and additional features to improve the overall user experience.
  - Implemented the best UI and chat functionality using ChatEngine.io, ensuring the scalability and reliability of the chat services.
  - Conducted comprehensive testing of the application to ensure seamless real-time messaging and file sharing.

### Key Area Results

- Team coordinating Skills, Interpersonal skills, Time management skills, Problem-solving abilities, Passion for technology, Adaptability, and Continuous learning.

### Technical Skills

#### Programming:

- Proficient in Core Java with knowledge of Java Architecture.
- Solid understanding of OOPs concepts.
- Strong knowledge of Arrays and Strings concepts.
- Expertise in Exceptional Handling.
- Good understanding of Java Multithreading.
- Tools: Eclipse.

#### Database Management:

- Strong knowledge of SQL, including Data Definition Language (DDL), Data Manipulation Language (DML), and Transaction Control Language (TCL).
- Proficient in SQL operators and functions.
- Tools: MySQL Workbench.

#### Web Development:

- Proficient in designing and maintaining web applications using MERN Stack (MongoDB, Express.js, React.js, Node.js)
- Skilled in Frontend Technologies like HTML, CSS and JavaScript.
- Proficient in React.js for building user interfaces.
- Strong knowledge of database design and implementation using MongoDB.
- Proficient in designing and developing RESTful APIs using Node.js and Express.js
- Tools: Visual Studio Code, MongoDBCompass, Postman.

### Personal Details

Full Name : Tejeswar Rao Boora  
Date of Birth : 12<sup>th</sup> December, 2001  
Languages : English, Hindi and Telugu  
Interests : Sports & video editing