

# Yarramaddu BhanuTeja Reddy

Bengaluru | +91 9390778183 | [bhanutejary02@gmail.com](mailto:bhanutejary02@gmail.com) | [LinkedIn/Bhanuteja](#) | [Portfolio/Bhanuteja](#)

## PROFILE SUMMARY

Seeking a good and challenging workplace to work in a dynamic environment and contribute towards the growth of the organisation and myself. Passionate and curious about web development, with a strong ambition to excel through meaningful and impactful work.

## EXPERIENCE

<b>Application Developer   <i>Tantragyaan Solutions</i></b>	Aug/2024 - Present
<ul style="list-style-type: none"><li>Structuring effective database, ensuring accurate fetching, updating, and validation of complex metadata records and relationships. Fully functional web application with dynamic forms and conditional logic.</li><li>Developed and customized an <b>IoT-based</b> application using open-source platforms like OpenRemote, integrating features such as video streaming via <b>Owncast</b>, email notifications through <b>SMTP</b>, authentication using <b>Keycloak</b>, <b>MQTT</b> protocol management, and <b>RESTful APIs</b> for real-time communication with IoT devices.</li><li>Developed medical-based applications like the <b>Bio Bank Web Project</b> to securely store and manage patient samples for testing and research.</li><li>Worked on <b>Data Analysis App</b> to visualize large-scale screening and follow-up data for cancer treatment, enabling efficient data tracking through interactive graphs.</li><li>Designing responsive user interfaces with modern web technologies, featuring dynamic grids, dropdowns, search functionality, and conditional rendering for an intuitive user experience.</li><li>Implementing graphical representations for statistical insights and developed multiple data export formats.</li><li>Design, implement secure and scalable modules for statistics pages, integrating advanced features like Firebase-based authentication, data visualization, and conditional forms.</li><li>Ensure application quality through comprehensive unit, integration, performance, and security testing to maintain data integrity and deliver a seamless user experience.</li><li>Secure user authentication and role-based access. Documentation for usage, deployment, and future development.</li></ul>	

## INTERNSHIPS

<b>Power BI Job Simulation   <i>PWC Virtual Internship</i></b>	Mar/2025
<ul style="list-style-type: none"><li>Completed a job simulation where I strengthened my PowerBI skills to better understand clients and their data visualisation needs.</li><li>Demonstrated expertise in data visualization through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions.</li><li>Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis.</li><li>Leveraged analytical problem-solving skills to examine HR data, particularly focusing on gender-related KPIs, and identified root causes for gender balance issues at the executive management level, highlighting a commitment to data-driven decision-making.</li></ul>	

<b>Application Engineer Intern - Web App.  <i>Tantragyaan Solutions</i></b>	Mar/2024 - Jul/2024
<i>HTML, CSS, JavaScript, PHP, MySQL, Bootstrap</i>	

- Designed and implemented a responsive web application for efficient billing and stock management with seamless user interactions across multiple platforms and devices.
- Developed key features, including real-time inventory updates, invoice generation, and role-based access control.
- Ensured data integrity and performance by optimizing database queries and conducting rigorous testing.
- Perform regular updates to maintain system reliability and performance.

<b>Full Stack Web Development Intern - Web App.  <i>Varcon Technologies</i></b>	Aug/2023 - Nov/2023
<i>ReactJs, TailwindCSS, Material UI, MongoDB, ExpressJs</i>	

- Developed a user-friendly fitness web app with features for workout tracking, goal setting & progress monitoring.
- Implemented real-time data synchronization for workouts and achievements, ensuring that users can seamlessly access and update their progress across multiple devices. This feature enhances user experience by maintaining consistency in data, preventing duplication, and enabling smooth transitions between sessions without data loss.
- Optimized the app's performance and responsiveness by implementing efficient data management techniques such as caching, lazy loading, and database indexing. Integrated UI/UX best practices to provide a seamless and engaging user experience across various screen sizes and devices.

## PROJECTS

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<b>Block Ballot</b>   <i>Reactjs, MongoDB, Express, Node.js, ThirdWeb SDK &amp; Face-Api.js</i>	Aug/2023 - Apr/2024
<ul style="list-style-type: none"><li>The system provides a complete audit trail of all transactions, enabling thorough verification and auditing of the election results. By leveraging blockchain technology, the voting records are immutable, ensuring that no votes can be tampered with after being cast.</li><li>The application is designed to handle a large number of users and votes, making it suitable for elections of various scales, from small organizations to larger public.</li><li>The implementation of the <b>thirdWeb SDK</b> enables seamless interaction with the blockchain, while the integration of face-api.js ensures reliable voter authentication through facial recognition.</li></ul>	
<b>Friends App</b> ↗   <i>ReactJS, MongoDB, Express.js, Node.js, Socket.io</i>	Jan/2024 - Feb/2024
<ul style="list-style-type: none"><li>A Dynamic real-time chat application using MERN stack, Socket.io, TailwindCSS, and Daisy UI.</li><li>Integrated <b>JWT</b>-based authentication and Socket.io for seamless messaging, accompanied by online user status tracking.</li><li>Proficiently deployed the application at no cost, showcasing expertise in full-stack development, real-time communication, and deployment strategies.</li><li>The application enables users to engage in live conversations, securely authenticate, and seamlessly navigate through a <b>user-friendly interface</b>.</li></ul>	
<b>Care Orphans</b> ↗   <i>Android Studio, Java, Firebase</i>	Feb/2023 - May/2023
<ul style="list-style-type: none"><li>An Android app which allows any user to help with the development of an orphanage and improve the conditions for the Orphans.</li><li>Through this app the user can donate money, clothes, food, books and also can conduct events like educational programs, medical checkups etc.,</li><li>Generally this app is supposed to have a Organizaiton counterpart which is connected to an orphanage and an admin side which manages the app overall.</li></ul>	
<h2>EDUCATION</h2> <hr/>	
<b>Dayananda Sagar Academy of Technology and Management</b>	Nov/2020 - May/2024
<i>Computer Science and Engineering</i>	<i>CGPA: 8.28/10</i>
<ul style="list-style-type: none"><li>Computer Programming, Data Structures &amp; Algorithms, DBMS, Operating Systems, Computer Networks</li></ul>	
<b>Narayana Jr.College</b>	Jul/2018 - Mar/2020
<i>PUC Science(MPC)</i>	<i>CGPA: 8.88/10</i>
<b>Jawahar Navodaya Vidyalaya</b>	Jul/2017- Mar/2018
<i>CBSE(Class X)</i>	<i>Percentage: 79%</i>
<h2>SKILLS</h2> <hr/>	
<b>Languages:</b> Python, SQL, JavaScript	
<b>Frameworks:</b> Django, FastAPI, FireBase, Supabase, Mongodb	
<b>Tools / Platforms:</b> Git/GitHub, Docker, VScode, pgAdmin, Android Studio, Postman, Power BI	
<b>Web Tech:</b> React, Typescript, Node.js, HTML, CSS, XML	
<h2>CERTIFICATIONS</h2> <hr/>	
<b>Full Stack Web Development</b>   <a href="#">Varcon Technologies↗</a>	
<b>AWS Cloud Practitioner Essentials</b>   <a href="#">AWS Skill Build↗</a>	
<b>Foundations of UX (User experience) Design</b>   <a href="#">Coursera(Google)↗</a>	
<b>Power BI Job Simulation</b>   <a href="#">Forage(PWC)↗</a>	