

Mustafa Bharmal

CODE CRAFTSMAN · INNOVATION ENTHUSIAST · FUTURE SOFTWARE MAESTRO

Rajkot, Gujarat, India

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Have an expertise in web and software development, dedicated to delivering optimized solutions. Seeking a dynamic role in the software domain within a friendly and collaborative work environment.

EDUCATION

Marwadi University , <i>B.Tech in Information and Communication Technology</i> Rajkot, India	8.76 / 10.0	2021 - 2025*
Premier School , <i>Higher Secondary Certificate (HSC)</i> Rajkot, India	90%	2019 - 2020
Noblehood School , <i>Secondary School Certificate(SSC)</i> Upleta, India	86%	2017 - 2018

EXPERIENCE

Bizz Yatra, *Machine Learning Intern* | Rajkot, India **Aug 2023 - Feb 2024**

- Led real-time detection of washing machine components using YOLO algorithm & Python.
- Executed a pivotal industrial project, optimizing object detection for washing machine systems.

Ally Soft Solution, *FullStack Developer Intern* | Rajkot, India **May 2023 - July 2023**

- Developed a cutting-edge Event Management System with dynamic form creation and table functionality.
- Led the implementation of a feature-rich POS management system, demonstrating expertise in PHP, Laravel, Bootstrap, and MySQL & Designed a user-friendly student class app in Figma, highlighting creativity in UI/UX.

MAAS Innovators, *Funded Project (by Govt. of India)*, Core Innovator **Aug 2022 - Jan 2024**

- A revolutionary Cervical Goniometers, overcoming the limitations of traditional Metal Goniometers. Ensured superior accuracy, user-friendly design, and adaptability for future technological changes.
- Focused on providing independence in diagnostics, targeting Physiotherapist as the primary audience, aligning with our commitment to healthcare innovation.(IoT).

SKILLS

Languages	Python, C/C++, C#, Java, R, PHP, Git, Bash, JavaScript
Development	React JS, Laravel, HTML, CSS, Bootstrap, MySQL, MongoDB, Node JS, Express JS, Maven Java, .net
Concepts	Data Structures, Algorithm, Computer Network, Software Engineering, Object Oriented Programming
Software	VS Code, MacOS, Linux, IntelliJ, GitHub, Figma, Fusion360, Tensorflow, Pytorch, Docker, OpenCV, Canva
Soft Skill	Ethical Beliefs, Leadership, Adaptability, Friendliness, Communication, Believer, Listener


PROJECTS

Thaali Center  | MERN & Java Project, *Problem Solving Project* **Jan 2024 - Present**

- Successfully integrated insights into menu creation, ensuring a culturally resonant and authentic Gujarati touch.
- Facilitated community engagement through feedbacks, ensuring the Thaali System reflected the preferences and needs of its users.


Smart Invoice  | .NET Technology, *Useful Product* **Aug 2023 - Jan 2024**

- Featuring role-specific access, a robust Point of Sale (POS) system, and streamlined customer and product info management with PDF invoicing.
- Key features like user authentication, a user-friendly dashboard, and dynamic PDF generation, secure access controls addressing challenges in table and product cart management. Ideal for retailers and supply chain efficiency.


Be United  | PHP Controllers, *Gap Filler* **Jan 2023 - May 2023**

- A Dealer Rewards Platform for streamlined client-company communication, efficient collaboration, featuring direct product orders and a points-based reward system for enhanced loyalty.
- Admin capabilities include creating gifts, validating user-redeemed gifts, and managing clients. Clients can place orders, earn points, and redeem them for a variety of gifts through a user-friendly dashboard, payment options.

RESEARCH PAPERS & PUBLICATIONS

Educational Game Development  | IEEE Paper 2023
R10 HTC 2023 Track XIII: Entertainment and Computer Gaming for Humanity



- Designed and implemented the Treasure Hunt game to teach graph theory, leading to enhanced student engagement and understanding.
- Conducted statistical analysis, demonstrating significant improvements in learning outcomes through game-based methods compared to traditional techniques.

Real Time Optical Sorting Technology  | IEEE Paper 2024
PiCET-2024, Track-IV: Process Modelling and Simulation

- Explored advanced optical sorting techniques for applications in food processing, healthcare, and electronics, highlighting efficiency improvements.
- Addressed challenges in hardware and software integration, leading to more precise and reliable sorting systems.

ACHIEVEMENTS & VOLUNTEERING

Consistently Excelling, Cleared the DA GATE 2024 organized by IISc Bengaluru 2024

Copyrighted Projects, *PROB-AI GAMING*  and *PATHFINDING ADVENTURE* . 2023-2024

Active IEEE Member and Event Volunteer, Engaged in IEEE, contributing to tech discussions, staying updated on industry trends. Volunteered for *RMC*, *HTC*, *YESIST*, *MUFest24* enhancing tech-related gatherings. 2023 - 2024

Active Contributor to Competitive Programming, 700+ solved problems across platforms such as HackerRank, LeetCode, CodeChef, Codeforces, and GeeksforGeeks. 2021 - 2024

Deputy Convener, Competitive Programming Club, Contributed to club activities, fostering a collaborative coding environment. Demonstrated strong leadership and teamwork skills. 2023 - 2024

E-Yantra Competition, Successfully selected to represent the institution in the prestigious E-Yantra Competition organized by *IIT Bombay*, showcasing competence in robotics and embedded systems. 2023