

Madhura Borkar

Portfolio Website: <http://madhura-borkar.vercel.app/>

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GitHub: [www.github.com/madhura824](https://github.com/madhura824)

CodeChef: https://www.codechef.com/users/mitw_np_908

GeeksForGeeks: <https://auth.geeksforgeeks.org/user/madhurab12>

LeetCode: <https://leetcode.com/madura2228/>

LinkedIn: www.linkedin.com/in/madhura-borkar-7604ba210

Career Objective

Aspiring for challenging assignments in the field of development, seeking high career growth through the continuous learning process, and aiming to be a valuable asset to the organization.

Skills

- **Programming Languages:** C, C++, Javascript, Typescript
- **Front-end:** HTML, CSS
- **Back-end:** SQL, Node JS
- **Frameworks and Libraries:** React JS, Next JS, Next UI, Tailwind CSS
- **Version Control System:** Git

Education

- **BTech in CSE**
Maharashtra Institute of Technology, MIT-WPU
CGPA: 9.3 (Pursuing)
- **Diploma in Computer Engineering**
MAEER's MIT Polytechnic, MSBTE
Percentage: 90.74% (2022)
- **10th Standard**
P.V.G's Muktangan English Medium School, SSC
Percentage: 84.20% (2019)

Projects

Path Finding Algorithms Visualizer (Web Development, Data Structures and Algorithms)

- **Role:** Creation of a dynamic website that demonstrates the working of the famous path finding algorithms.
- **Project Demo:** <https://path-visualizer-madhura-borkar.netlify.app/>
- **Description:** Created a dynamic website using Javascript, HTML, and CSS, React showcasing the functionality of renowned path-finding algorithms, including A-Star, Dijkstra's Algorithm, Breadth-First Search, and Depth-First Search. The real-time visualizer effectively demonstrates the intricate workings of these algorithms, providing an engaging educational experience.

File Compressor using Huffman Encoding (Python, Data Structures and Algorithms)

- **Role:** Creation of a file compressor using Huffman Encoding Technique.

- **Description:** Developed a high-performance File Compressor utilizing Huffman Encoding Technique. This real-time compressor significantly reduces file sizes, resulting in efficient memory usage. The project aims to contribute to space-saving initiatives and streamline data storage processes.

ERP (Enterprise Resource Planning) for College Management System (Web Development)

- **Role:** Development of the REST API's using JavaScript and Thunder-Client
- **Description:** Developing and implementing ERP systems tailored for educational institutions to streamline administrative processes and enhance operational efficiency. Creation of back-end and REST APIs to initiate data transaction between client and server efficiently and securely.

Bus Scheduling and Depot Management System (DataBase Management System)

- **Role:** Conceptualized, designed, and implemented the database and the backend.
- **Description:** Developed an effective Bus Depot Management System using core programming concepts and database management system optimizing depot operations, scheduling, staffing, and ticketing, thus effectively reducing human efforts.

Work Experience

- **Bugsmirror Research Private Limited: (Technical Internship : 6 months) (Currently Pursuing)**
- **Role:** Member of Technical Staff Intern.
- **Description:** As a Member of Technical Staff Intern, I, with my team, am designing and developing the company's official website from the ground up. I am working with modern web technologies like HTML, CSS, Next.js, TypeScript, Tailwind CSS, and React to ensure a seamless user experience and responsive design. I am collaborating with team members to gather requirements and implement features, ensuring the website meets the organization's technical and aesthetic standards.
- **Valethi Technologies LLP: (Non Technical)**
- **Description:** During my internship as a Customer Support Intern, my primary responsibility was to address and resolve customer issues and queries via email communication. I ensured timely and effective responses, aiming to provide a positive customer experience and improve customer retention. Throughout this role, I developed key skills in professional communication, customer interaction, and customer retention strategies, which enabled me to handle various customer concerns with empathy and efficiency.

Certifications

- **CPP Programming - CodeChef:** Completed a hands-on programming course in C++ focusing on the core fundamentals and logic building.

Achievements

- **CodeChef:** Two Star Coder at CodeChef with highest rating 1436.
Problems Solved: 260+
Languages Used: C++
- **GeeksForGeeks:** Coding Score 870+
Problems solved: 270+
Languages Used: C++

Personal Details

- **Address:** Pune, Maharashtra
- **Date of Birth:** 22/07/2003
- **Gender:** Female
- **Marital Status:** Single
- **Languages Known:** English, Hindi, Marathi

Declaration

I hereby declare that the information in the resume is true and complete to the best of my knowledge and belief.
Madhura Vinayak Borkar