

Madhura Borkar

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GitHub: www.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++, Python, 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

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.

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.

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 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 also using Next UI to create a clean, professional interface. 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