

Pratik Dhulubulu

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Skills

Languages: C, C++, Java, JavaScript, Python, SQL

Web Technologies: Node.js, Express.js, React.js, MongoDB, HTML, CSS, Tailwind CSS, MySQL, QML

Tools & platforms: Visual Studio, GitHub, Qt Creator, Jira, VectorCAST, Linux, Windchill

Other: Data Structure, Algorithms, Object Oriented Programming, Database, Software Testing, Debugging

Experience

Software Engineer | Knorr-Bremse, Pune

Aug 2024 – Present

- Reduced software maintenance costs by 38% by refactoring code and introducing modular design.
- Developed a test environment that streamlined module testing, minimized 95% configuration errors, and enhanced test case re-usability across projects.
- Executed 14 Obsolescence Change Requests (CRs) reducing turnaround time by 23%
- C, C++, Software Development, Jira, Keil u version 5, Module Testing, Windchill, Obsolescence Management

Software Development Intern | Emerson, Pune

Jan 2024 – July 2024

- Optimized backend logic and database queries, enhancing data acquisition efficiency by 20%
- Designed intuitive, model-based UI that reduced the latency & code density by 50% and improved responsiveness.
- Contributed in backend integration, debugging and unit testing the complex feature to validate system performance.
- C, C++, QML, Qt Creator, Database, Full Stack Development, Multithreading, Embedded Software Development

Education

D.K.T.E. Textile and Engineering Institute, Kolhapur

Jan 2021 – June 2024

B.Tech Electronics and Telecommunication Engineering | CGPA: 8.04

Miraj Mahavidyalaya, Miraj

June 2019 – March 2020

Class XII | 71.54%

S.M. High School, Malgaon

June 2017 – March 2018

Class X | 89.20%

Projects

QuickServe - Food Delivery App

[github](#) 

- Developed a responsive platform with full CRUD functionality, increasing user engagement by 30% and improving dashboard usability.
- Implemented role-based user authentication, real-time order tracking, secure payment processing APIs.
- React.js, Node.js, Express.js MongoDB, JavaScript, Database Optimization, Git

Polaris - Ultrasonic Plastic Welding Platform

- An advanced & flexible plastic joining platform designed to support a constant demand for the assembly of smaller and more intricate plastic components.
- Designed a model-based UI for HMI improving user intuitiveness & reduced 25% interaction errors
- Built & optimized backend APIs achieving a 30% increase in data acquisition speed and reliability.
- C, C++, QML, QT Creator, Embedded Linux, IBM Jazz

LearnStack - Learning Management System

- Created a scalable web-based platform using the MERN stack to manage courses, instructor & user enrollment and role based authentication for separate intuitive dashboard with secure payment gateway.
- Integrated analytics for real-time insights into user progress, course performance, and platform utilization.

Achievements & Responsibilities

- **Student Instructor & Mentor :** Organized & taught workshops on C/C++, Data Structures & algorithms, incorporating project-based learning, leading to a 60% improvement in students' understanding of core concepts.
- **Competitive Programming Leetcode :** global rank of 3163 and a highest rating of 1584 in LeetCode contest 418.