Vinayak Jadhav

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Education

M.S. Ramaiah Institute of Technology, Bangalore   2021 - 2025
Bachelor of Engineering in Electronics and Communication.

RLS College Of Science   2021
Higher Secondary School Certificate

Experience

Web Developer Intern   *Sept 2023 – Nov 2023*
Motion Cut

- Worked on web Development including projects that focused on HTML, CSS and JavaScript.
- Gained hands-on experience in designing and developing responsive web applications using HTML, CSS, and JavaScript.
- Improved UI/UX understanding and project planning.

Projects

Algo-Visualizer —*HTML5, JavaScript, CSS* ⭘ *Visit*

- Implemented interactive visualizations for 3 sorting algorithms (Bubble, Merge, Quick) and 2 path finding algorithms (BFS, DFS), with adjustable array size and speed controls.
- Enhanced learning with real-time animations and adjustable parameters, improving comprehension.
- Incorporated engaging animations, increasing user interaction.

Real-Time Whiteboard —*HTML, CSS, JavaScript* ⭘ *Visit*

- Designed and launched an interactive whiteboard application using Vanilla JavaScript, HTML, and CSS, which enhanced user engagement.
- Implemented Undo-Redo functionality using arrays as stacks to efficiently track and restore pen and eraser positions, alongside features like multi-color pencils, sticky notes, and file upload/download.

Smart Drip Irrigation System

- Designed and developed an IoT-enabled system to monitor environmental parameters, including moisture, temperature, and humidity, using real-time sensor data.
- Enabled cross-platform monitoring through mobile and web applications, enhancing user accessibility and control.

Technical Skills

Languages: Java, C/C++, HTML, CSS, JavaScript, NodeJS, Express, Embedded Programming, PLC Programming.
Tools: VS Code, Atom, Git, GitHub, RS Logix5000, MATLAB.
Libraries: Bootstrap, JQuery.
Databases: SQL
Coursework: DSA, OOPS, DBMS, Computer Networks, Operating System, Industrial Data Network
Soft Skills: Problem-Solving, Communication, Teamwork & Collaboration.

Certifications

- Frontend Web Development Internship — Motion-Cut   Oct'23
- JavaScript(Basic) — HackerRank   Feb'25
- Software Engineering Job Simulation — Goldman Sachs (Forage)   Feb'25
- Java Programming — HackerRank   March'25
- SQL Intermediate — HackerRank   March'25

Achievements and Coding Profile

Solved more than 400 problems across LeetCode and HackerRank

- LeetCode —*1503*
- Achieved 1503th rank out of 33261 participants in LeetCode Biweekly Contest 149
- Achieved 98.28 percentile in the Young Turks exam by Naukri.com
- Fastest Calculation Award — *St. John's High School* (Achieved through *Abacus* practice)

Leadership

- Led CenpuRITon - a national level hackathon campaigning, engaging 150+ participants.   Nov'23
- Head of Backstage - Theater Club MSRIT, Bangalore   Oct'22 - Mar'23
- NSS Volunteer - Organized a blood donation camp (800 donations)   May'24
- Co-Founder of NAKAMA Club MSRIT