Harshvardhan U Tharkar

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Education

Atria Institute of Technology   **2022 – 2026**

B.E. Computer Science and Design Engineering   *CGPA: 7.6/10*

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management

Technical Skills

Languages: C++ (Advanced), Python (Intermediate), JavaScript (Intermediate), C# (Beginner), SQL
Technologies & Frameworks: Vue.js, React.js, Express.js , Node.js, MongoDB, RESTful APIs
Practices & Tools: Agile (SCRUM), CI/CD, Git, GitHub, VS Code
Core Competencies: Full-Stack Development, OOP, Data Structures & Algorithms, System Design (Basic)

Projects

Personal Portfolio Website | *Web Development*   *Jan 2024*

- Developed a dynamic personal portfolio using Vue.js with modern design principles
- Designed responsive UI with Taiwind CSS

CodeSolve AI | *AI-Powered Coding Assistant*   *June 2024 – July 2024*

- Built a full-stack AI coding assistant with DeepSeek R1, delivering 90%+ accurate code outputs
- Implemented backend in Python with RESTful API and deployed frontend in React.js
- Adopted Agile development with sprint-based features and Git-based version control

URL Shortener | *Production-Grade MERN Stack Application*   *Jan 2025 – Feb 2025*

- Developed a scalable URL shortener application using MERN stack (MongoDB, Express.js, React.js, Node.js)
- Designed RESTful backend APIs with persistent authentication and custom URL generation
- Implemented Redux for state management and integrated TanStack for client-side data handling
- Followed modular backend architecture and implemented best practices for deployment and scalability

Leadership & Involvement

IEEE SIGHT Atria Affinity Group   **2023 – 2024**

Chair   *Bengaluru, Karnataka*

- Led a 10+ member team to organize 12+ technical workshops and community outreach programs, attracting 400+ participants
- Collaborated with industry experts to deliver workshops on AI and cloud computing

IEEE SIGHT Atria Affinity Group   **2022 – 2023**

Executive Committee Member   *Bengaluru, Karnataka*

- Boosted social media engagement by 50% through targeted campaigns
- Supported organization of 6 technical events and 2 community service initiatives

Achievements

- Solved 300+ Data Structures & Algorithms problems on TakeUForward, including 100+ medium/hard problems
- Solved 150+ DSA problems on LeetCode

Languages

English (*Professional*), Hindi (*Professional*), Kannada (*Native*) ,Marathi (*Native*)