

Vishal Chaurasia

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EDUCATION

Ramaiah Institute of Technology

B.E. in Computer Science and Engineering - (CGPA: 9.22)

Coursework: Data Structures, Algorithms, DBMS, Operating System, OOPS in Java, Computer Networks, Advanced JavaScript.

Bangalore, India

Dec 2021 – Jun 2025

WORK EXPERIENCE

Samsung R&D Institute

Research and Development Intern

India

Jul 2023 - Dec 2023

- Created an innovative plugin to **enhance UI automation testing** efficiency by leveraging innovative techniques.
- **Significantly minimized manual intervention** required for XPath validation, streamlining the overall validation process.
- Added advanced functionality to **facilitate bulk validation**, accompanied by intuitive auto-suggestion features.
- Demonstrated substantial improvements with a notable **50% reduction in validation time**.
- Achieved **100% accuracy rate** in the XPaths recommended by the plugin.

Notespace.ai

Frontend Developer Intern

Remote

Sept 2022 – Nov 2022

- Led frontend development for the Linkit application, prioritizing **user interface enhancement**.
- Delivered an interactive and user-friendly frontend, fulfilling early startup requirements.
- Resulted in a **20% increase** in user engagement metrics.

TECHNICAL SKILLS

Languages: JavaScript (80% of Programming), Java, TypeScript, C++ Python, SQL, HTML/CSS


Technologies: NodeJS, ReactJS, NextJS, Express.js, Tailwind CSS, MongoDB, Web Sockets

Tools: Git, Github, Docker

TECHNICAL PROJECTS

ECommerce Website | *NodeJS, ExpressJS, MongoDB, NextJS, Tailwind CSS* |  [GitHub](#) | *Nov 2023 – Mar 2024*

- Developed a fully functional e-commerce website for printed clothing company as a **freelance project**.
- **Integrated an admin panel** for streamlined content management, **improving content updating process by 30%**.
- Implemented order processing using **Razorpay payment gateway**, enhancing checkout process resulting in a **20% increase in conversion rates**.
- Integrated Shiprocket tracking for **real-time order monitoring**, facilitating order cancellation with refund capabilities, **reducing customer support tickets by 15%**.

Multiplayer Chess Game | *WebSockets, NextJS, Tailwind CSS, ExpressJS, MongoDB, Chess.js* |  [GitHub](#) | *Jul 2024*

- Built a full-stack real-time chess game application using Next.js, Node.js, TypeScript, and WebSockets, handling up to **30 concurrent games**.
- Incorporated **timed matches feature**, with automatic winner declaration based on time expiration, enabling **real-time communication** between players, reducing latency to under 100ms.
- Engineered **reconnect functionality** to ensure game continuity after disconnections or page refresh, maintaining a **99.9% uptime**.
- Designed **5 customizable themes** for the chessboard, **enhancing user experience and engagement**.

AWARDS & ACHIEVEMENTS

- Secured 3rd rank in Hackoverflow Hackathon organized by RNSIT College.
- Solved 300+ questions on [Coding Ninjas](#) and 150+ questions on [LeetCode](#).

LEADERSHIP

MUKTI: Official FOSS club of RIT

- Served as a Technical Core member responsible for **conducting events** to cultivate an open-source culture.
- Orchestrated workshops and seminars in Resume Building, Linux, and Cybersecurity, impacting **over 400+ students**.