

RITESH KUSHWAHA

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Projects

SwasthVerify – Harmful Chemical Detection Web App ([Repository](#))

Apr' 25

Technologies Used: **React.js, Node.js, Express.js, MongoDB, Tailwind CSS, JavaScript, OCR (Tesseract.js).**

- Developed a full-stack web app that **identifies harmful chemicals** in product ingredients via image uploads.
- Integrated **OCR (Tesseract.js)** to extract text from images and match ingredients against a chemical database.
- Designed a clean, responsive UI using **Tailwind CSS**, with real-time feedback on harmful content.

Trimly - URL Shortener & QR Code Generator ([Repository](#))

Mar' 25

Technologies Used: **Node.js, Express.js, MongoDB, Mongoose, EJS, JWT, Tailwind.**

- Developed **RESTful APIs** and connected to MongoDB using Mongoose.
- Built a URL shortener and **QR code generator** with secure user authentication.
- Utilized **JWT** for token-based login and **bcryptjs** for password hashing.

CodeAdept 8.0 Website ([Repository](#))

Nov' 24

Technologies Used: **React.js, Node.js, JavaScript, CSS, HTML, Firebase.**

- Developed CodeAdept 8.0, a live **event website** for the IT department at UIT RGPV, Implemented a **Minecraft-themed UI** with responsive design, enhancing **user engagement** across devices.
- Implemented dynamic **registration** and contact forms, with **data** stored and announcements fetched in **real-time** from **Firebase**.

Technical Skills

Languages/Technologies: C++ | JavaScript

Web Development: HTML | CSS | ReactJS | NodeJS | ExpressJS | GIT | GITHUB

Clouds/Databases: PostgreSQL | MongoDB

Relevant Coursework: Data Structures and Algorithms | Object Oriented Programming | DBMS

Extracurricular Achievements

Max LeetCode Rating - **1630**

Solved **600+ DSA** problems

Finalist in NIT Kurukshetra **InnokShetra'24** Hackathon

Finalist in IIT Kanpur **Techkriti'25** Contest

Education

University Institute of Technology RGPV Bhopal, India

2023 - Present

- Information Technology

CGPA - 7.8

Ramakrishna Vivekananda Vidyapeeth, India

2022

- CBSE Board (Class XII) PCM*

86.4%

Work Experience

Cybersecurity Intern

Jul'24 - Sep'24

Palo Alto Networks | Virtual Internship | AICTE

- Learned networking and **cybersecurity fundamentals**, including **firewall** configuration and security protocols.
- Collaborated with the security team on **real-time** monitoring and alert management.
- Developed skills in **network security, VPNs, threat** detection, and **access control**.

Positions of Responsibility

Technical Lead

Oct'24 - Present

DoIT Coding Club | UIT RGPV

- Organized and led **CodeAdept 8.0**, a department-wide coding event.
- Prepared **coding** and **aptitude** round questions for participants to assess problem-solving skills.

Campus Ambassador

Apr'24 - Mar'24

GeeksforGeeks | 7 Months

- Promoted GFG initiatives **on campus**, increasing student participation in **coding challenges** and **events**.
- Engaged with the student **community**, encouraging learning through GFG resources and **contests**.