

Vanshul Agarwal

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Summary

Dedicated Bachelor of Technology student with a passion for technology and a diverse skill set in C++, Python, and JavaScript. Innovative full stack web developer fluent in the MERN stack, crafting pixel-perfect frontend interfaces and robust backend systems. Enthusiastic about machine learning and data science, eager to learn and grow. Committed to dynamic projects, embracing challenges, and fostering teamwork.

Projects

VASHOP – Ecommerce Platform | GitHub: Client, Server | MERN vashop.onrender.com/

- Developed a feature-rich **MERN** stack ecommerce website with user-friendly interface using **React**
- Robust Express.js backend, and also a dynamic **review** system with user **authentication and authorisation**
- Implemented User Authentication with JSON Web Tokens (JWT). Implemented **Search** functionality on products. Seamless Cart management using **Redux Toolkit**.

Portfolio | GitHub | React vanshulagarwal.onrender.com/

- Developed a responsive portfolio website using React, featuring a user-friendly and visually appealing frontend.
- Created an interactive **moving magnetic cursor using React hooks**, adding a unique, dynamic touch to the interface.
- Implemented smooth and engaging transitions with Framer Motion, enhancing the overall user experience.

ListKeeper | GitHub | Node, Express, MongoDB listkeeper.onrender.com/

- A full stack web application where users can register and list their tasks in a grouped manner under their account with an attractive UI.
- Made a fully **secure** website, safe from vulnerabilities such as **Mongo Injection, Cross Site Scripting**.
- Utilised Express.js to create a RESTful API, MongoDB for data storage, Bcrypt for password hashing

YelpCamp | GitHub | Node, Express, MongoDB yelp-camp-697v.onrender.com/

- A full stack web application where users can list and review campgrounds all over the world, made using Node.js, Express.js, MongoDB, Bootstrap 5
- Passport.js was used for authentication and MapBox API for rendering maps.

Achievements Volunteering

HackCBS 6.0 November 2023
Secured 2nd place in a TON Foundation hackathon side challenge on NFT minting, and also participated in the TON onboarding challenge, showcasing commitment to innovation, continuous learning, and effective teamwork.

IEEE Volunteer July 2023 – Present
Volunteered as a mentor for IEEE Student Branch IIIT's TechBlocks 9.1 event, actively contributing to the education and skill development of participants

Education

Bachelor of Technology in Computer Science (CGPA: 8.9)	Expected May 2026
Jaypee Institute of Information Technology	Noida, U.P.
12th – CBSE (94.8%)	2021–2022
RNS World School	Jhansi, U.P.
10th – ICSE (92%)	2019–2020
Christ the King College	Jhansi, U.P.

Technical Skills

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

Technologies: React.js, Redux, Redux Toolkit, Express.js, MongoDB, Bootstrap, Node.js, HTML, CSS, Javascript, VCS, Git, Bootstrap, Material UI