

# ROUNAK AGRAWAL

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## SUMMARY

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Ambitious Computer Science and Engineering student at Vellore Institute of Technology with 4+ years of experience in full-stack development. Passionate about building scalable applications and solving real-world problems through technology. Eager to apply technical expertise to impactful projects.

## EDUCATION

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**B.Tech in Computer Science and Engineering**, Vellore Institute of Technology Expected 2026

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Object-Oriented Programming, Web Technologies, Computer Networks, Software Engineering, Machine Learning Fundamentals, Artificial Intelligence, Computer Architecture.

## SKILLS

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<b>Programming Languages</b>	JavaScript, Java, Python, C, C++, Dart
<b>Web Technologies</b>	HTML, CSS, Node.js, Express.js, React.js
<b>Mobile Development</b>	Flutter
<b>Databases</b>	MySQL, MongoDB
<b>Frameworks</b>	Laravel, MERN Stack
<b>Tools and Platforms</b>	Git, Linux, WordPress
<b>Other</b>	Data Structures, Algorithms, RESTful APIs

## EXPERIENCE

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**Full Stack Web and Mobile Application Developer Intern** May 2024 - June 2024  
PRACAS Infosys Pvt Ltd *Biratnagar, Nepal*

- Developed and modified user-friendly, efficient, and secure web and mobile applications
- Collaborated with team members on scalability issues involving large amounts of data
- Implemented problem-solving techniques and debugging to ensure smooth application performance
- Utilized Unix environments for development and deployment

**Inner Core Member** May 2023 - Present  
Google Developer Student Clubs VIT *Vellore, India*

- Collaborate on tech projects and participate in computer science-related extracurricular activities
- Engage in workshops and hackathons to enhance problem-solving and coding skills

**Freelance Developer** Jan 2020 - Present

- Develop scalable and efficient web and mobile applications using various technologies
- Implement data structures and algorithms to optimize application performance
- Work on distributed software systems and large-scale applications.
- Used unix platform for development

## PROJECTS

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**OOPS Nepal - Dynamic Theme Park Website.** Developed a full-stack web application for a theme park using MERN stack, featuring an admin panel for content management and user-facing features like online ticket purchasing. Implemented scalable database system for dynamic content and user data management. ([View Website](#))

**Nock - Location-based Attendance Tracking.** Built a mobile app using Flutter and Firebase to streamline meeting management. Implemented geofencing for location-based attendance tracking, resulting in 50% reduction in attendance-taking time for over 100 GDSC members. ([Project Link](#))

**Fan Fiction Writer - Story Management Tool.** Developed a web app to help writers organize story elements, managing multiple stories and character timelines. Created visual graph representations of character timelines, enhancing story planning efficiency for 200+ users. ([Project Link](#))

**Kisanpedia - Agricultural Management Platform.** Contributed to a full-stack agricultural solution using Express.js, Next.js, and MongoDB. Developed RESTful APIs, admin dashboard, and mobile app, optimizing performance. ([Dashboard Link](#))

## CERTIFICATIONS

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**Machine Learning**  
**Responsive Web Design**  
**Flutter and Laravel**

*Coursera*  
*freeCodeCamp*  
*Code IT, Dharan*