ROUNAK AGRAWAL

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SUMMARY

Ambitious Computer Science and Engineering student at Vellore Institute of Technology with 2+ years of experience in full-stack development, seeking an internship opportunity at Motorq. Proficient in multiple programming languages and experienced in developing scalable web and mobile applications, with a strong foundation in data structures, algorithms, and software design. Passionate about leveraging connected-car data to create actionable insights, aligning with Motorq's mission to unlock the potential of this technology. Skilled in cloud-based systems, data analysis, and software engineering principles, with a keen interest in applying these skills to Motorq's analytics software platform. Committed to responsible data handling, with an understanding of privacy and security concerns in connected systems. Active member of Google Developer Student Clubs, demonstrating collaborative problem-solving skills and a drive for innovation. Eager to contribute to Motorq's goal of deciphering complex data from disparate connected-car systems and delivering cost-effective, impactful insights for businesses.

EDUCATION

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

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

EXPERIENCE

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

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

Machine Learning *Coursera*
Responsive Web Design *freeCodeCamp*
Flutter and Laravel *Code IT, Dharan*