

Rounak Agarwal

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PROFESSIONAL SUMMARY

IT undergraduate at VIT Vellore (CGPA: 9.04/10) with hands-on full-stack development experience across the MERN stack, RESTful API design, and real-time systems. Competitive programmer with top-global CodeChef rankings and 250+ LeetCode problems solved. Working knowledge of cloud data fundamentals (Google Cloud Platform, BigQuery). Proven track record of building and deploying secure, scalable, production-ready web applications.

TECHNICAL SKILLS

Languages: C++, JavaScript (ES6+), TypeScript, HTML5, CSS3

Frameworks & Libraries: React.js, Node.js, Express.js, MongoDB, Bootstrap, Socket.io, Passport.js, EJS

Databases & Cloud: MongoDB, MySQL, Google Cloud Platform (GCP), BigQuery

Tools & Platforms: Git, GitHub, Postman, VS Code, Figma, Cloudinary, Wix

Concepts: RESTful APIs, Authentication & Authorization (JWT, RBAC), Agile, CI/CD, Data Analytics, Data Engineering, Real-Time Systems

PROFESSIONAL EXPERIENCE

Web Developer Intern — Rahul Sir's CAT Classes, Delhi | [Certificate](#)

Aug 2025 – Feb 2026

- Managed end-to-end development and maintenance of the institution's official website on the Wix platform, improving page load performance and reducing reported UI issues by ~40%.
- Built a fully responsive, mobile-first user interface ensuring seamless accessibility across devices, improving cross-device compatibility for 500+ monthly student visitors.
- Migrated and refactored legacy code into modular, maintainable components, cutting future update time by ~30%.

PROJECTS

WanderStays – Full-Stack Travel Listing Platform | [Link](#)

Node.js | Express.js | MongoDB | Passport.js | Cloudinary | Bootstrap | Joi

- Built a full-stack travel listing platform enabling users to explore, list, and review unique stays with full CRUD functionality.
- Implemented secure JWT-based authentication via Passport.js, Cloudinary-integrated image uploads, and dynamic search/filtering by category.
- Integrated a review and rating system with live updates and robust Joi validation, reducing invalid data submissions.
- Engineered RESTful APIs with role-based access control on a scalable MongoDB (Mongoose) backend, supporting concurrent sessions without performance degradation.

FriendFi – Anti-Bullying DAO Platform | [Link](#)

Node.js | Express.js | MongoDB | Socket.io | Figma

- Engineered full backend architecture (Node.js/Express/MongoDB) and integrated Socket.io for real-time, multi-AI dispute mediation across an active user base.
- Developed core game mechanics including karma matchmaking, token staking, and DAO voting logic; contributed to Figma UI/UX design for the platform's MVP.
- Collaborated in an agile, cross-functional team to ideate, architect, and ship a full-stack MVP during a 24-hour hackathon sprint.

ACHIEVEMENTS & LEADERSHIP

- CodeChef Global Rank 136 – Starters 225 Contest (Div. 2, 2025), out of 35,000+ participants.
- CodeChef Global Rank 213 – Starters 229 Contest (Div. 2, 2025), out of 4,000+ participants.
- Solved 250+ DSA problems on LeetCode, strengthening algorithmic problem-solving for technical interviews.
- Technical Head, German Literary Association (DLA), VIT Vellore – completed full 2025 tenure; certificate of appreciation awarded.

CERTIFICATIONS

- Full Stack Web Development – Apna College (Delta Program) | [Link](#)
- Google Cloud Data Analytics Certificate (Beginner Path) – Google Skills | [Link](#)
- Introduction to Data Engineering on Google Cloud – Google Skills

EDUCATION

Vellore Institute of Technology, Vellore (2023 – Present)

B.Tech in Information Technology | CGPA: 9.04 / 10.00

Delhi Public School, Siliguri (2020 – 2022)

CBSE 12th Class | 84%

Birla Divya Jyoti, Siliguri (2009 – 2020)

CBSE 10th Class | 89.4%