

RUDRA

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology (B.Tech), Computer Science and Engineering; CGPA: 9.15/10.0

Sep 2023 – May 2027

EXPERIENCE

Full Stack Developer Intern | The Cognitive – Toronto, ON, Canada (Remote)

Aug 2026 – Sep 2026

MathCom Mentors | React.js, Node.js, MongoDB, AWS | [GitHub](#) | [Live Demo](#)

- Handling the project end to end on my own for a London-based client – I take the requirements they give me, build the pages users see and the work behind them and keep 4 kinds of users apart, each with their own login and dashboard: admin/teacher, grader, student and parent.
- Built the homework side from start to finish – teachers set work with a deadline, students hand it in and a grader marks it and writes feedback on each one – plus a library of study material and I test every flow myself before handing it over.
- Moved uploaded files to AWS S3 and served them through CloudFront to keep them off the app server, used AWS SNS to send deadline reminders to students and grade alerts to parents and keep the code in Git in clear commits.

TECHNICAL SKILLS

- **Languages:** Java, Python
- **Frontend:** React.js, JavaScript, HTML5, CSS3
- **Backend:** Node.js, Express.js, Django
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools & APIs:** Git, GitHub, AWS (S3, CloudFront, SNS)

PROJECTS

Pahal Foundation: NGO Web Platform | [GitHub](#) | [Live Demo](#)

2026

Django, Python, JavaScript, Razorpay, AWS S3

- A web platform for an NGO that educates underprivileged children. It moved student admissions, student records, daily attendance and volunteer sign-ups off paper.
- Integrated the Razorpay gateway for online donations, with server-side payment verification and an auditable record of every transaction.
- Built 2 dashboards for admins and teachers to manage admissions, attendance, volunteers and media, with uploads offloaded to AWS S3 to keep files off the app server.

Healthcare Appointment Manager: AI Clinic Appointment Platform | [GitHub](#) | [Live Demo](#)

2026

React.js, Node.js, Express.js, MongoDB, Gemini API, Google Calendar API

- Built a doctor appointment site with 3 logins – patient, doctor and admin. The patient writes their symptoms before the visit and the Gemini model marks how urgent it is, sums up the problem and gives the doctor 3 questions to ask.
- Made sure two patients can never get the same slot: it is held for 10 minutes while the form is filled in and if 10 book one slot at once, exactly 1 gets it and 9 are told it is taken.
- Set the follow-up to run on its own: the visit goes into Google Calendar, 1 reminder email for each dose of medicine (3 a day) and failed emails are retried 5 times.

Yatra Saral: Train Travel Platform | [GitHub](#) | [Live Demo](#)

2025

React.js, TypeScript, Node.js, Express.js, MongoDB

- Covered a train journey end to end: seat and group booking with e-ticket generation, live tracking, platform services (cloak room, coolie, wheelchair), pantry ordering and insurance.
- Secured sign-up with email OTP verification and password recovery, plus a profile area for ticket download, cancellation, booking history and saved passengers.
- Made it usable for elderly and low-literacy travellers – a 2-language Hindi/English interface, read-aloud support and adjustable font sizes.

CERTIFICATIONS

- Oracle Certified Foundations Associate – Agentic AI, Oracle University 2026
- MongoDB Java Developer Path, Indexing Design Fundamentals, MongoDB 2026
- Frontend Developer (React), Node.js, SQL, CSS, HackerRank 2026
- AWS Technical Essentials, AWS Training & Certification 2025