

# RAHUL AGARWAL

[imagarwal05@gmail.com](mailto:imagarwal05@gmail.com) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

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Full Stack Engineer with experience building multi-tenant platforms, internal tools, and AI-powered automation systems. Worked across the full development lifecycle from database design and backend APIs to frontend UI and third-party integrations. Comfortable working on production systems with real business workflows and stakeholders.

## SKILLS

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- **Languages & Frameworks:** JavaScript, TypeScript, React, Next.js, Node.js, Express.js
- **Databases:** MongoDB, MySQL
- **Cloud & DevOps:** AWS Services, GitHub Actions (CI/CD), Vercel
- **Tools & Platforms:** Git, GitHub, Anthropic & OpenAI LLM models, Google APIs

## EXPERIENCE

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### Full Stack Engineer | Eshkon

January 2026 - May 2026

- Built an internal task management system integrated with **Google Sheets** via **App Script**, visualizing task data in **TreeMap** and **Pie charts** on an internal dashboard
- Developed an automated executive summary pipeline using cron jobs across five schedules (daily, weekly, biweekly, monthly, quarterly), pulling **GitHub commits** and task data as input to **Anthropic Claude API**, and results stored in Google Sheets.
- Collected commit data using **GitHub REST** and **GraphQL APIs** for executive summary LLM input, deployed cron jobs via **Vercel**.
- Integrated **YouTube**, **Google Calendar**, and **Contentful** for media, communication, and content management.
- Designed UIs using **Next.js**, **Tailwind CSS** (Tailwind Plus), and **ShadCN** components.

### Full Stack Web Developer Intern | SurveyNex

August 2025 - November 2025

- Built responsive and minimal UI layouts using **Tailwind CSS** and **Next.js**.
- Maintained a modular component structure following industry-standard Next.js conventions.

### Software Developer Intern | ByteUprise

April 2025 - August 2025

- Led the frontend team for the Printable Merchant Panel, contributing to 5+ production features.
- Integrated backend APIs with proper error handling and ensured responsive UI across pages.

### Mystery Shopping System

Freelance

- A multi-tenant platform with a **4-level hierarchy** (Super Admin → Clients → Brands → Stores), currently serving 8 clients across 11 brands and 248 stores.
- Developed configurable survey forms with custom question types and media upload rules, supporting 16 form types across 22 active campaigns.
- Implemented a QA review workflow where shopper-submitted responses are approved or bounced back for correction, requiring shoppers to resubmit only the bounced questions.
- Approved audits, trigger invoice upload and payment release via Cashfree.
- The system supports **170** active shoppers across **22 campaigns**.
- Generated web and Excel feedback reports presenting brand performance data tailored to team reviews.
- Deployed on **AWS EC2** with a **GitHub Actions CI/CD pipeline** and **Mega S4** for media storage.

### Learning Management System

Freelance

- A multi-tenant LMS with a **4-level-hierarchy** of Super Admin → Clients → Brands → SMEs and Learners.
- SMEs create courses structured into topics with text or media-based content, managing all learning material from a dedicated portal.
- SMEs build question banks per topic or course and link assessments to them; questions are randomly selected per learner to maintain assessment uniqueness.

- Learners progress through courses at their own pace, with progress tracked so they can resume from where they left off.
- Generated Excel reports for clients to review their staff's course completion and learning pace.
- Deployed on **AWS EC2** with **GitHub Actions CI/CD** and **Mega S4** for course content storage.

### Checklist Management System

Freelance

- A multi-tenant checklist platform with a **3-level hierarchy** (Super Admin → Clients → Brands), currently managing 6 brands across 12 stores with 48 staff including managers, supervisors, and members.
- Checklists are configurable at global or brand level with filling schedules — daily, specific days, or specific dates — and respect brand-level holidays to prevent submissions on defined leave days.
- Checklists are assigned by default to store managers but support same-store reassignment or single-day delegation for flexibility.
- Select-type responses are auto-validated; input-type responses are manually reviewed by managers.
- Deployed on **AWS EC2** with a **GitHub Actions CI/CD pipeline** and **Mega S4** for media storage.

### EDUCATION

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- AIU - B.Tech (Computer Science and Engineering) July 2024 - Present
  - LJ Polytechnic - Diploma in Computer Engineering (AIML) July 2021 - June 2024
  - NIOS - Standard 10 June 2020 - March 2021