

ANANYA SINGH

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PROFESSIONAL SUMMARY

Full-Stack Developer skilled in designing and shipping scalable, AI-powered web applications across the MERN stack. Builds production-grade REST APIs, real-time systems with Socket.IO and Redis, and responsive React.js dashboards, and engineers AI automation workflows that cut content-production cycle time by 60%+. B.Tech in Computer Science (Class of 2026), pairing strong DSA and CS fundamentals with hands-on full-stack delivery. Targeting Software Engineer, Full-Stack Developer, and MERN Stack Developer roles.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (ES6+), TypeScript, Python, C++, C, PHP, Node.js, Express.js, React.js, Tailwind CSS, Bootstrap

Databases & Tools: MongoDB, MySQL, Redis, Docker, Git, GitHub, Postman, REST APIs, JWT, Socket.IO

AI & Automation: n8n, NotebookLM, ElevenLabs, Groq LLM API

CS Fundamentals: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks

EXPERIENCE

Edureka

Sep 2025 – Present

Research Analyst Intern · Bengaluru, Karnataka

- Engineered AI-powered automation workflows using n8n, NotebookLM, and ElevenLabs APIs, reducing content production cycle time by 62.5% across 3 active course pipelines.
- Designed and standardized 15+ data-driven assessment frameworks across 3 technical tracks aligned with Software Engineering and Full-Stack Development standards, raising content accuracy scores by 18%.
- Drove learner satisfaction ratings from 4.2 to 4.7 (out of 5) over two consecutive quarters through iterative curriculum analysis and targeted content revisions.
- Benchmarked 10+ competitor platforms and identified 5 critical skill-gap areas, directly informing curriculum updates that strengthened industry-alignment scores.
- Cut content-revision cycles by 2 rounds per module by aligning 6+ cross-functional stakeholders, including SMEs, instructors, and QA reviewers, on technical accuracy.

PROJECTS

Habit Hero: Gamified Habit-Tracking PWA

Tech Stack: React.js, TypeScript, Node.js, Express.js, MongoDB, Socket.IO, Redis, Tailwind CSS, JWT

- Architected a full-stack MERN Progressive Web App for habit tracking, featuring XP progression, streak management, and real-time leaderboards that support 5+ concurrent user sessions.
- Built scalable REST APIs with Node.js and Express.js, secured using JWT authentication and protected-route middleware.
- Integrated Socket.IO for live leaderboard updates and Redis caching, reducing ranking-query response time by ~40%.

Planora: AI-Powered Event Budget Management Platform

Tech Stack: React.js, Node.js, Express.js, MongoDB, Groq LLM API, REST APIs

- Launched a full-stack event-planning platform with real-time expense tracking, budgeting across 8+ categories, and interactive analytics dashboards.
- Designed REST API endpoints and MongoDB schemas for event management, budget allocation, and expense analytics, achieving sub-200ms average response times.
- Integrated the Groq LLM API to generate budget insights and overspending alerts, reducing manual calculation effort for event managers by ~30%.

EDUCATION

Lovely Professional University

2022 – 2026

B.Tech in Computer Science and Engineering · Phagwara, Punjab · CGPA: 7.45 / 10