

Hardik Arora

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Portfolio: <https://portfolio-hardikarora.vercel.app/>

LeetCode: <https://leetcode.com/u/Hardikarora0843/>

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SKILLS

Programming Languages: C, C++, Python, JavaScript, Java, SQL

AI: LLMs, Prompt Engineering, Semantic Search, AI APIs, AI Content Automation, RAG

Frontend Technologies & Tools: React.js, Angular, Tailwind CSS, HTML, CSS, Git, GitHub, Postman

Backend Technologies: Node.js, Express.js, PHP, Laravel, REST APIs, Socket.io

Databases & Caching: MongoDB, MySQL, PostgreSQL, Firebase, Redis, Prisma, SQLite

EXPERIENCE

FlyRank AI | *Backend AI Engineer Intern*

Jul 2026 - Present

- Engineered a multi-tenant usage and billing service supporting **2 subscription plans**, tracking API/AI usage, enforcing quotas, calculating token costs, and managing Stripe subscriptions with reliable payment processing. [GitHub Link](#)
- Developed an embeddable lead-capture platform with **44 automated tests**, enabling businesses to collect leads from external websites, validate submissions, prevent spam, enrich visitor data, and process notifications reliably in the background. [GitHub Link](#)
- Implemented a social media automation service supporting **3 platforms**, converting blog posts into platform-specific content, validating publishing rules, enabling human approval, scheduling posts, and preventing duplicate publishing. [GitHub Link](#)
- Designed an AI image-matching service with **90 automated tests**, analysing images with Gemini, matching them to blog posts using semantic similarity, rejecting incorrect matches, supporting human review, and processing images asynchronously. [GitHub Link](#)

PROJECTS

CodeForge | *MERN, Redis, Socket.io, Judgeo API, Google Gemini AI, Monaco Editor*

Jun 2025

- Built a **full-stack coding platform** supporting **500+ coding problems** and **50+ MCQs** featuring JWT authentication, **Google OAuth**, real-time **Monaco editor**, **AI assistant** (smart hints, complexity analysis), live **ELO-rated contests**, company-specific MCQ/coding assessments, premium problems, and performance analytics.
- Developed **12+ learner focused features**, including video editorials, categorized solutions, **activity calendar**, **streaks**, **badges**, custom lists, notes, **daily planner**, favorites, **points system**, and **merchandise store**.
- Architected a **secure admin panel** for **managing 500+ coding problems**, video management, contest scheduling, premium control, **merchandise orders**.
- Deployed Link** - <https://code-forge-nine.vercel.app>

AI Kids Tutor | *ReactJS, NodeJS, MongoDB, ExpressJS, JWT*

Nov 2024

- Created a **full-Stack gamified kids learning platform** with **2 dedicated portals (Child and Parent)**, featuring JWT authentication, **role-based access**, and **parent-child account linking**.
- Integrated **6 interactive learning worlds** with adaptive difficulty, **AI-driven topic recommendations**, progress tracking, voice-based activities, and **multilingual (English/Hindi) support**.
- Crafted a **parent dashboard** with **5+ analytics modules**, custom quiz generation, **screen-time controls**, performance insights, and **real-time monitoring** of children's learning progress.
- Deployed Link** - <https://ai-kids-tutor-child-interface.vercel.app>

ACHIEVEMENTS

- Patent Published** by Indian Patent Office (**IPO**) and Review Paper Presented at an **IEEE Conference** **Apr 2026**
- Secured 1st Rank** out of **300+ teams** (1000+ participants) at CODE-A-HAUNT Hackathon **Feb 2024**

CERTIFICATES

Building with the Claude API Anthropic Certificate Link	Aug 2026
Model Context Protocol Advanced Topics Anthropic Certificate Link	Aug 2026
Introduction to subagents Anthropic Certificate Link	Aug 2026
Generative AI With Large Language Models Amazon Web Services (AWS) Certificate Link	Apr 2024

EDUCATION

Lovely Professional University

Bachelor of Technology, Computer Science and Engineering: CGPA: 8.04

Sep 2022 - Jul 2026

Phagwara, Punjab

Aravali International School

Class XII, Percentage: 85%

Jun 2020 - Jul 2021

Faridabad, Haryana

Aravali International School

Class X, Percentage: 90%

Apr 2018 - May 2019

Faridabad, Haryana