

AARYAN GUPTA

Full-Stack Software Engineer | AI/ML & NLP

Faridabad, Haryana, India | +91 9811679447 | aaryangupta2005@gmail.com | linkedin.com/in/aaryan-gupta-1262a1284 | github.com/Aaryan0091 | leetcode.com/u/Aaryan91

PROFESSIONAL SUMMARY

Fourth-year B.Tech Computer Science (AI & ML) student experienced in building end-to-end web applications, browser extensions, and AI-powered platforms with React, Next.js, Node.js, Express, Supabase, and PostgreSQL. Strong DSA foundation with hands-on experience integrating AI/NLP into production-ready products.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, C, SQL, Solidity

Full-Stack: React, Next.js, Node.js, Express.js, REST APIs, WebSockets, OAuth 2.0, Firebase, Supabase, MongoDB, PostgreSQL

AI / ML: Machine Learning, Deep Learning, NLP, TensorFlow, Scikit-learn, spaCy, NLTK, Pandas, NumPy

Blockchain: Solidity, Ethers.js, Polygon Amoy, Smart Contracts

Tools & Platforms: Git, GitHub, GitHub API, VS Code, Postman, Vercel, Render, Playwright, Linux (Red Hat)

PROJECTS

SkillChain — AI-Powered Developer Verification Platform • *GitHub API, NLP, Solidity, Ethers.js, Polygon Amoy*

- Built an AI/NLP platform that analyzes GitHub repositories to generate developer skill scores and blockchain-anchored certificates.
- Implemented on-chain certificate verification (Solidity, Ethers.js, Polygon Amoy) and recruiter-facing evaluation workflows.

Work-Stack — AI-Powered Productivity & Bookmark Platform • *React, Supabase, PostgreSQL, Chrome Extension, NLP*

- Built AI-powered bookmark organization, semantic search, activity tracking, and collaborative collections on a Supabase/PostgreSQL backend.
- Developed a companion Chrome extension with independent auth and session restore for in-browser task/bookmark management.

Soul-Voyage — Real-Time Full-Stack Web App • *React, Firebase, WebSockets, WebGL Earth API, Google OAuth*

- Engineered a real-time app integrating Firebase, WebSockets, and the WebGL Earth API for live, interactive geographic visualizations.
- Implemented Google OAuth 2.0 and event-driven data sync for instant cross-session location updates.

ACHIEVEMENTS

- Solved 150+ LeetCode problems covering arrays, trees, graphs, dynamic programming, backtracking, and advanced patterns such as monotonic stacks.
- Independently designed, built, and shipped three full-stack and NLP-based applications end-to-end — from architecture through deployment-ready builds.
- Participated in the internal round of Smart India Hackathon (SIH) 2024 at Manipal University Jaipur.

EDUCATION

Manipal University Jaipur — B.Tech, Computer Science (AI & ML) 2023 – Present

CERTIFICATIONS

NPTEL / IIT Madras — Design & Analysis of Algorithms; Programming, DS & Algorithms using Python

Oracle Academy — Database Foundations, Database Design, Database Programming with SQL & PL/SQL

Red Hat Academy — System Administration I & II (RH124, RH134) • Cisco Networking Academy — CCNA: Switching, Routing & Wireless Essentials; Python Essentials 1 • CodeChef — Data Structures & Algorithms Lab

CORE COMPETENCIES

Analytical Thinking • Problem Solving • Communication • Adaptability • Ownership • Collaboration