Harshit Arora

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LinkedIn | Codeforces | LeetCode | GitHub

Skills

Languages: Python, C++, Java, HTML5, CSS3, JavaScript, SQL

Technologies & Tools: Frameworks - LangChain, OpenCV, cvzone, Tkinter, NumPy, Matplotlib, Keras, TensorFlow, React.js, Express.js, SciPy, Node.js, Express.js

Cloud/Databases/Tech-Stack - Google Cloud Platform, AWS, Git/GitHub, Docker, Postman

UI/UX Design - Figma, Adobe XD, User Centered Design, Responsive Design, Usability, Accessibility

Key Domains – Large Language Models (LLMs), Multi-Agent Systems, Signal Processing, RESTful APIs

Work Experience

Venu AI (YC W21) Jan 2026 – May 2026

Software Engineering Intern

- Exploring and analyzing a large scale production codebase involving AI services, REST APIs and microservice architecture to prepare for feature development and optimization.
- Setting up local development environments, CI/CD pipelines, and containerized workflows to align with engineering and deployment standards.
- Participating in technical discussions on LLM integration, backend scalability, and system design decisions alongside fellow engineers.
- Reviewing existing modules to identify potential areas for performance improvements and feature enhancements.

MathonGo, Bengaluru Jun 2025 – Aug 2025

Research and Development Intern

- Reviewed and approved over 2,500+ community solutions across Physics and Chemistry for the MARKS App, ensuring 98%+ quality compliance with originality and format standards.
- Demarcated MHTCET/COMEDK/WBJEEE Chemistry Syllabus chapter wise classifying 1,000+ subtopics into Reduced, Removed, or No Change tags, directly aiding 25,000+ students with exam focused content.
- Analyzed BITSAT level chapter tests across 15+ Chemistry topics to flag low relevance questions, improving content alignment with exam trends and reducing irrelevant question density by 30%.
- Quality checked and finalized JEE/MHTCET Chemistry PYQ books (2025) by identifying and correcting 1,000+ JSON, typesetting, and logical errors, enhancing publishing quality and reducing rework cycles by 95%.

Education

Vellore Institute of Technology (VIT), Bhopal Aug 2023 – May 2027 (Ongoing)

B.Tech in Computer Science and Engineering CGPA: 8.75/10

Project Work

- **TataBot – Multi-Agent Financial Assistant (2025):** GitHub**:** Developed a Multi-Agent orchestration framework utilizing a central LLM to coordinate four specialized worker agents (Loan Eligibility, Interest Calculation, Document Verification and FAQ), enabling the orchestrator to parse complex queries and dynamically dispatch tasks, reducing human support dependence improvising the auto-approval rate to 70%, Turn-around time to <15 mins with an accuracy of 97%. React.js, TailwindCSS, FastMCP, Flask, Uvicorn, Groq Llama 3.3, LangGraph, MockCRM, OfferMart API, OCR.
- **WalSpectra - Phantom Inventory Loss Detector for Walmart (2025):** Architectured scalable phantom inventory detection for Walmart's 4700+ stores worldwide, is expected to achieve ₹4,700 crores projected annual impact. Engineered ML driven hotspot mapping with real time analytics dashboard & automated recovery. Integrated multi-source data pipelines with anomaly detection algorithms for inventory optimization. Python, TensorFlow, React, Node.js, MongoDB.

Awards and Certificates

- Best of AI Winner by Microsoft Learn Student Ambassadors: Certificate
- Google Student Ambassador – One of the top leaders across the country representing Google
- The Bits and Bytes of Computer Networking by Google on Coursera: Certificate
- National Finalists – BrAINWARS 2026 by Bain & Company
- Solved 250+ problems on platforms like LeetCode and Codeforces.
- Qualified in National Level hackathons like Flipkart GRiD 7.0, GrabHack etc.