Harsh Tripathi

COMPUTER ENGINEERING
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ACHIEVEMENTS

- 1st Runner Up, Level-Up National Level Hackathon
• Architected LegalMitra, an AI-driven legal platform using local LLMs, vector search, and custom RAG pipelines for real-time case analysis, legal research, and document drafting without storing sensitive data.

COURSEWORK / SKILLS

BACK-END DEVELOPMENT | Java (DSA) • Python • Express.js • Node.js • blockchain (solana)
FRONT-END DEVELOPMENT | React.js • JavaScript • Bootstrap • HTML • CSS • Tailwind CSS
DATABASES / CLOUD | MongoDB • MySQL • Amazon AWS
DEV TOOLS | Figma • Git • GitHub • Android Studio
SOFT SKILLS | Team Player • Bias for Action • Deliver Results

PROJECTS

CloutBets (CloutBets Live)
- Developed a Solana-based prediction dApp enabling users to bet on real-time engagement metrics of content across YouTube, Reddit, X, Spotify, and Apple Music.
- Deployed automated escrow and payout logic using on-chain programs, ensuring secure, trustless settlements triggered by external API data.

Ecolodge (EchoLodge Live)
- Developed a serverless, scalable lodging platform with dynamic pricing algorithms.
- Designed a seamless property management dashboard for hosts, optimizing listing and reservation processes.

SaigonBot (GitHub)
- Built an AI-enhanced Telegram assistant using Retrieval-Augmented Generation (RAG) and Llama 2, achieving 99.9% uptime.
- Designed a real-time Superteam member search engine, indexing 5,000+ profiles in under 50ms, enhancing expert discovery.
- Integrated a context-aware knowledge base, enabling users to retrieve accurate, document-driven responses.

EXPERIENCE

Software Engineering Intern, Nxtgen.in(NxtGen)
- Architected and deployed a full-stack web platform from the ground up, modernizing NxtGen's digital presence and improving system reliability.
- Engineered a high-performance, responsive UI with optimized rendering, reducing load times by 40%.
- Integrated robust backend infrastructure with secure authentication and dynamic content management, streamlining operations for 1,000+ users.

CO/EXTRA-CURRICULAR ACTIVITIES

Breakout Hackathon - Cloutbet
- CloutBets – A Solana-powered decentralized platform where users wager on the virality of social media posts, leveraging smart contracts, on-chain escrow, and automated payout.

Hackanova 3.0, National Level Hackathon
- Developed "EduQuest," an automated question bank generator, leveraging NLP and data extraction techniques to transform PDFs into structured question sets.

Open-Source Contributions
- GirlScript Summer Of Code 2024: Contributor – Developed and optimized key features across multiple repositories, enhancing code quality and documentation.
- Social Summer Of Code 2024: Contributor – Implemented scalable solutions in open-source projects, collaborating with a global developer community.

ACADEMIC QUALIFICATIONS:

Bachelor of Engineering, Computer Engineering (B.E.) 2022-2026
Thakur College of Engineering and Technology, Mumbai | 8.7 cgpa