

Nehil Chandrakar

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PROFESSIONAL SUMMARY

Aspiring Software Engineer with top national hackathon placements — 2nd/450+ (Mercuria 2024), 3rd vs. professionals (Emerging Tech 2024), and Top 5 finalist (The Better Hack 2025). Built scalable microservices, real-time systems (100+ users), and API optimizations (35% faster). Skilled in full-stack development (React, Node.js, AWS) and Co-Founder of AI Brewery, leading a 60+ member AI/ML community.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python

Frameworks/Tools: Spring Boot, React.js, Node.js, Express.js, React Native, AWS (Lambda, SageMaker), Git, Docker, Redis, Socket.io

Databases: MongoDB, MySQL, PostgreSQL

Computer Fundamentals: Data Structures & Algorithms, DBMS, Operating Systems, Object-Oriented Programming

PROJECTS

- Krishhi Baazar** | React Native, Appwrite, Node.js, Redis Download | [GitHub](#)
- Developed a mobile marketplace connecting farmers with buyers, increasing accessibility for potential users.
 - Integrated real-time weather insights and optimized APIs with Redis caching, improving response speed by 35%.
- API Key Manager** | React, TypeScript, Node.js, MongoDB Demo | [GitHub](#)
- Engineered a secure vault for managing API keys with AES-256-CBC encryption and JWT authentication.
 - Enhanced API security with rate limiting, CORS allowlisting, and Helmet middleware, reducing unauthorized access attempts by 90%.
 - Built intuitive UI with React Context for seamless token persistence, increasing usability by 25%.
- Virtual Office** | Turborepo, Node.js, TypeScript, WebRTC, PostgreSQL Demo | [GitHub](#)
- Built a 2D virtual office with real-time presence, chat, and movement for 100+ concurrent users using WebSockets.
 - Integrated proximity-based peer-to-peer video chat with WebRTC, reducing server bandwidth usage by 40%.
 - Deployed containerized microservices on Render, ensuring near 99.9% uptime across API, WebSocket, and database services.
 - Implemented schema-first data modeling with Prisma, enabling zero-downtime migrations.
- AI-Enabled Smart Recommendation System** | Python, Crew AI, GRPO, Vector DBMS [GitHub](#)
- Built an AI agent recommending dishes based on cravings, calories, and health, improving recommendation accuracy by 30%.
 - Implemented multilingual support, expanding accessibility to regional users in 5+ Indian languages.

ACHIEVEMENTS

- Qualified SIH Regionals competing among 60+ teams Sep 2024
- Mercuria India Hackathon 2024** – 2nd Prize among 450+ teams Nationwide Nov 2024
- [Credential Link](#)
- HackCult 2024** – Top 6 out of 400+ teams nationwide Dec 2024
- Emerging Tech Hackathon 2024** – 3rd Place among 200+ working professionals and internship students Dec 2024
- [Credential Link](#)
- DishNetworks Hackathon 2025** – Top 10 nationwide finalist; represented college Feb 2025
- The Better Hack 2025** – Top 5 finalist against working professionals and startup founders May 2025
- [Credential Link](#)

EDUCATION

Siddaganga Institute of Technology Tumkur, India
B.E. in Computer Science and Engineering (AI/ML) | CGPA: 7.5 *Expected Jun 2026*

EXTRACURRICULARS

- AI Brewery** Nov 2024 – Present
Co-Founder *SIT, KA*
- Built a student community of 60+ members, hosted 5+ workshops and hackathons on AI/ML and emerging techs.
- SARK** Dec 2022 – Present
Member *SIT, KA*
- Conducted technical workshops, teaching 350+ students Python fundamentals