

# Nehil Chandrakar

9131203322 | [chandrakarnehil06112002@gmail.com](mailto:chandrakarnehil06112002@gmail.com) | [LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

## 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

**Interview Assistant** | React.js, Node.js, Express.js, MongoDB, Gemini API

Demo | [Github](#)

- Built an AI-powered interview platform for HR teams to automatically conduct and evaluate candidate interviews based on resume context, reducing manual screening time by **60%**.
- Implemented a real-time dashboard for HRs to review candidate performance, generate automated summaries, and rank applicants using Gemini-based scoring.

**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.

**AI-Enabled Smart Recommendation System** | Python, Crew AI, GRPO, Vector DBMS

[GitHub](#)

- Built an AI agent recommending dishes based on users' cravings, calories, health, and region, improving recommendation accuracy by 30%.
- Implemented multilingual support, expanding accessibility to regional users in 5+ Indian languages.

## ACHIEVEMENTS

**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