

# Nehil Chandrakar

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## 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