

Nikhil Nedungadi

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PROFESSIONAL SUMMARY

Computer science student with experience in AI, NLP, and full-stack web development. Interned at Hitachi, building real-time apps and dynamic platforms. Proficient in Java, Python, and C++ with strong foundations in data structures and algorithms. Skilled in deploying scalable, user-focused solutions using React, Flask, and serverless technologies. Driven to apply creative problem-solving in cutting-edge tech environments.

EXPERIENCE

Hitachi

June 2024 – August 2024

Research & Development Intern

Bangalore, India

- Developed a real-time multi-user chat application using React and Socket.IO with bot integration and WebSocket communication.
- Built a dynamic job listing platform featuring real-time updates, search filters, and CRUD operations, leveraging JSON Server and Tailwind CSS.
- Created an interactive, responsive personal resume website using React, focusing on user-friendly design and clean UI.

PROJECTS

Text Chunking for AI Models: Full-Stack Platform for video transcripts using NLP

- Developed and deployed a text chunking microservice that processes large video transcripts with NLP and regex-based sentence detection using React.js and Python Flask.
- Live Link:** nikhilwebsite-seven.vercel.app
- Technologies:** React.js, Flask, NLP, REST APIs, Serverless (Vercel), Axios, Git, JSON, CORS, Async JS, Intelligent Chunking, Cloud-Native Development.
- Highlight:** Built a production-ready tool that efficiently prepares large text data for AI processing while preserving context.

EDUCATION

Vellore Institute of Technology (VIT)

B.Tech in Computer Science and Engineering

September 2022 – Present

Vellore, India

Sindhi High School

Higher Secondary Education (Class 12)

March 2022

Bangalore, India

Sindhi High School

Secondary Education (Class 10)

March 2020

Bangalore, India

KEY SKILLS

Programming Languages: C++, R, Python, Java, C, JavaScript, HTML, CSS

Frameworks and Libraries: React, Front-End Development, Socket.IO API, JSON Server, Tailwind CSS

Domains: Web Development

Databases: MySQL, SQL

Core Concepts: Data Structures & Algorithms, OOP, Machine Learning, Generative AI, Artificial Intelligence

CERTIFICATIONS & EXTRACURRICULAR ACTIVITIES

- Supervised Machine Learning: Regression and Classification – Badge Issued by Stanford University, DeepLearning.AI (Jan 2025)
- Artificial Intelligence Fundamentals – Badge Issued by IBM (Apr 2024)
- Generative AI for Business Leaders – Badge Issued by IBM (Apr 2024)
- Winner**, Hack the Hackathon – Ideathon (Sep 2022): Proposed a shuttle bus wallet system with QR-based verification and promotional ride credits.