Nikhil Nedungadi

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PROFESSIONAL SUMMARY

Dedicated and ambitious computer science student passionate about innovative problem-solving and cutting-edge technologies. Possessing a strong foundation in programming languages such as Java, Python, and C++, along with knowledge of data structures and algorithms. Skilled in team collaboration, delivering high-quality solutions, and adapting to new challenges. Eager to leverage academic knowledge and practical skills to contribute effectively to a dynamic work environment.

INTERNSHIP

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.
- **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)   September 2022 – Present
B.Tech in Computer Science and Engineering   *Vellore, India*

Sindhi High School   March 2022
Higher Secondary Education (Class 12)   *Bangalore, India*

Sindhi High School   March 2020
Secondary Education (Class 10)   *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.