

# Karthik Nair

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## SUMMARY

VIT Bhopal University Computer Science student with a comprehensive skill set in **Data Structures and Algorithms (DSA)**, evidenced by extensive LeetCode practice. I leverage my expertise in the **MERN stack** (MongoDB, Express.js, React.js, Node.js) to build high-performance, user-friendly full-stack web applications from concept to deployment.

## SKILLS

**Languages & Frameworks** : Javascript, HTML5, Tailwind CSS, NextJS, Typescript  
**Libraries, Tools and APIs** : ReactJS, CSS3, OpenAI API, Anthropic API, Github, Redux, RESTful APIs, Framer-motion  
**Backend** : Firebase, NodeJS, ExpressJS,  
**Database** : MongoDB, Mongoose ODM, PostgreSQL, Prisma ORM

## EDUCATION

- **Vellore Institute Of Technology, Bhopal** 2022-2026  
B.Tech in computer science and engineering  
CGPA: 7.92
- **City Montessori School , Gomtinagar Campus-1** 2022  
Class-XII  
Percentage: 89.5

## ACADEMIC PROJECTS

**Glide** March 2025

- Glide is a full stack social media webapp.
- Uses **Jwt** authentication, **mongodb** for database.
- Used **ExpressJS** to make backend server that authenticates a user and handles database integration.
- Integrated realtime chat feature using **socket.io**(under development).

**Dev Tinder**

January 2024

- Developed a Tinder-like platform for developers, facilitating connections and networking within the tech community.
- Implemented a robust backend using Node.js and Express.js, with MongoDB for efficient data storage and retrieval.
- Designed and built an intuitive user interface with React.js, ensuring a smooth and engaging user experience.

**CSI-Innowave**

March 2024

- Made a beautiful looking landing page for our college's tech society CSI-Innowave.
- Used **Material UI** and **Acertinity UI** for amazing user experience and interactivity.

**Netflix-GPT**

Feb 2024

- Netflix-GPT specializes in providing **personalized movie recommendations** to users based on their input.
- leverages the capabilities of **OpenAI's GPT-3.5** model to generate accurate and context-aware movie recommendations.
- State Efficiently managed using **Redux-Toolkit**, ensuring a **centralized** and predictable state container for enhanced maintainability.

## Additional

**Languages:** Fluent in Hindi and English.

**Certification:** Python Essentials , Fundamentals of AI and ML , Adobe UI & UX (Graphics Design) , Maven Silicon ⇒ VLSI Design