

Karthik Nair



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EDUCATION

- **Vellore Institute of Technology** Bhopal , MP
Bachelor of Technology in Computer Science; GPA: 7.95 *Jun. 2022 – Jun. 2026*
- **City Montessori School , Gomtinagar - 1** Lucknow, UP
Class XII ; Percentage: 89.5 *Apr. 2021 – Apr. 2022*

EXPERIENCE

- **Tata Motors** Lucknow Plant, UP
Intern *Nov. 2024 - Dec. 2024*
 - **ReactJs**: Designed and developed an interactive dashboard to streamline and optimize gate entry operations.
 - **Data Analytics**: Integrated Power BI tools for real-time data visualization and statistical analysis.
 - **Contribution**: Contributed to enhancing operational efficiency for the IT department through data-driven insights

PROJECTS

- **Glide:** March 2025
 - Glide is a full stack social media webapp.
 - Uses **Jwt** authentication and **MongoDB** for the database.
 - Used **ExpressJS** to make the backend server that authenticates a user and handles database integration.
 - Integrated a real-time 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:** February 2024
 - Netflix-GPT specializes in providing **personalized movie recommendations** to users based on their input.
 - It leverages the capabilities of **OpenAI's GPT-3.5** model to generate accurate and context-aware movie recommendations.
 - State is efficiently managed using **Redux-Toolkit**, ensuring a centralized and predictable state container for enhanced maintainability.

PROGRAMMING SKILLS

- **Languages and Frameworks:** Java, HTML, CSS, Javascript, Typescript, NextJs
- **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

ADDITIONAL

- **Languages:** Fluent in Hindi, English and Malayalam
- **Certifications:** Python Essentials , Fundamentals of AI and ML , Adobe UI & UX (Graphics Design) , Maven Silicon-VLSI Design