Karthik Vishal

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CAREER OBJECTIVE

Passionate Full-Stack Developer eager to gain hands-on experience through internships and contribute effectively to organizational goals. Highly motivated to learn new technologies, grow as a developer, and continuously improve skills while adding value to the team.

EDUCATION

B.Tech, Computer Science & Engineering   2023 - 2027
Amrita Vishwa Vidyapeetham, Coimbatore

CGPA: 8.48/10

Senior Secondary (XII), CBSE   2023
Science

Thamarai International School ,Thanjavur 612501

Percentage: 88.20%

Secondary (X), CBSE   2020
MOUNT ZION INTERNATIONAL SCHOOL

Percentage: 94.20%

PORTFOLIO

GitHub link ↗

Leetcode link ↗

Portfolio link ↗

PROJECTS

BookStore ↗
May 2025

Developed a full-stack Online Bookstore application using the MERN stack (MongoDB, Express.js, React.js, Node.js). The app allows users to browse, search, and manage books, with features like user registration, login authentication, and CRUD operations for books. Admin users can add, edit, or delete books, while regular users can view details and add items to their cart. The frontend is built with React and styled using CSS/Tailwind for a responsive user experience, while the backend handles API routes, user sessions, and secure data storage in MongoDB. This project enhanced my understanding of RESTful APIs, full-stack routing, state management, and role-based access control. It demonstrates my ability to build and deploy scalable web applications with both user and admin functionalities.

Portfolio ↗
Apr 2025

My personal developer portfolio is a clean, responsive website built using React.js and Tailwind CSS, and deployed via Vercel. It showcases my key projects, including Caster+ (a finance tracker) and a student collaboration platformfocused on SDG-4, along with brief overviews, tech stacks used, and GitHub links. The portfolio highlights my skills in frontend development, UI/UX design, and project presentation. Designed with a minimalist, modern aesthetic, it reflects my attention to detail, commitment to clean code, and ability to build production-ready interfaces. It serves as a central hub to explore my work, background, and growing expertise in web development.

UnitED-Student recreational platform ↗

Feb 2025 - Mar 2025

The idea for UnitEd was born when we were searching for a problem statement in Education (Sustainable Development Goal - 4) that is crucial yet undervalued, then we landed with the alarming issue of how school students struggle with expressing themselves. Fear of judgment, lack of confidence, and the absence of a supportive platform.
This is the age where students develop psychological and social aspect of life and being an introvert and living in a shell is not going to help in their college life.This problem resonates with us personally. We wanted to contribute in changing this issue.
We wanted to create a safe and welcoming space where students could confidently share their thoughts, support each other, and be heard. Inspired by the power of community and peer support, we envisioned a platform where students could unite to stand up for each other and grow together.

Caster+ ↗

May 2025 - Present

Caster+ is a full-stack personal finance management app built using the MERN stack (MongoDB, Express.js, React.js, Node.js). It helps users securely track major financial assets and expenditures, including gold holdings, bank savings, and insurance coverage. The app features a clean, responsive UI for logging large transactions, uploading documentation, and summarizing financial data on a central dashboard. It includes real-time gold price tracking, interest calculations, and insurance renewal alerts. Caster+ uses secure authentication and ensures data integrity. Key features include proof-backed expense logging, financial summaries, and user-specific insights. This project showcases my ability to build secure, scalable web applications from scratch while focusing on usability and real-world problem-solving. Caster+ is currently under active development and reflects my growing skills in full-stack development, data structuring, and product design.

UNITED | WEB APPLICATION

Feb 2025 - Mar 2025

Website for students who find networking difficult, aimed at creating connections through learning. Designed using React.js, TailWind CSS, Firebase (Auth, Backend, DB). Participated in Mega Hackathon-2025, showcasing the application to a wider audience.

SKILLS

- JavaScript
- React
- Firebase
- MongoDB
- C Programming
- Data Structures
- ElectronJS
- Web development
- GitHub
- Windows
- JWT

- HTML
- Python
- Node.js
- Tailwind CSS
- C++ Programming
- Computer Architecture
- Linear Algebra
- Critical thinking
- MySQL
- Next.js

- CSS
- Java
- Express.js
- MATLAB
- Algorithms
- Operating Systems
- Optimization
- Git
- Linux
- TypeScript

EXTRA CURRICULAR ACTIVITIES

- I am passionate in badminton and currently training professionally.

ADDITIONAL DETAILS

- Secured 97%ile in JEE Mains ,(C.Rank) 7010 in JEE Advanced and 412th (99%ile)rank in University entrance exam(AMRITA)
- Dean's List (All Semesters)