

# AMAN KHANNA

Full-Stack Developer | UI/UX Designer | AWS & DevOps

@aamankhanna1112@gmail.com <https://portfolio-aman-x-codes-projects.vercel.app/> M.P INDIA



## PROFILE

I am a full-stack developer passionate about building scalable and user-centric web applications. With expertise in Next.js, React, Node.js, AWS, DevOps, Graphic design and modern web technologies, I specialize in creating seamless digital experiences by integrating functionality with intuitive UI/UX design. Driven by problem-solving and optimization, committed to delivering high-quality, impactful applications.

## SKILLS

HTML CSS JS React.js Node.js Next.js Express.js

RESTful APIs WebSockets

AWS (EC2, S3, Lambda) CI/CD (Git, GitHub)

C/C++ Adobe Creative Suite Figma Blender

## PROJECTS

### Digital Twin for Telerehabilitation

2025

Developed a real-time motion tracking system using IMU sensors and ESP32 for accurate joint movement visualization. Implemented a Kalman filter for sensor fusion, enhancing precision. Integrated data processing with Unity 3D to create a digital twin for responsive simulation, enabling applications in telerehabilitation.

### Calendar-Sync

2025

<https://github.com/aman-X-code/Calendar-Sync>

Developed a Calendar Sync application with Google SSO integration for seamless authentication and event management. Implemented calendar views, task creation, and Google Calendar synchronization to enhance scheduling. Ensured a responsive and efficient user experience across devices.

### Food Court Management System

2024

<https://github.com/aman-X-code/Food-Court>

Developed a Food Court Management System using Next.js and React to streamline on-campus food selection. Designed a user-friendly interface for browsing food options, enhancing accessibility and convenience. Ensured a responsive and seamless experience across devices.

### Metro-Route-Wizard

2024

<https://github.com/aman-X-code/Metro-Route-Wizard>

Developed Metro Route Wizard, a web application for efficient metro navigation using the Dijkstra algorithm to find the shortest route with minimal distance and interchanges. Built with Next.js, React, Node.js, and Tailwind CSS, ensuring a responsive and user-friendly experience with real-time route suggestions.

## EXPERIENCE

### Internship

GEMA Education Technology Private Limited

2022

- Contributed to visual identity development for educational materials and digital platforms, collaborating cross-functionally and using Adobe Creative Suite (Photoshop, Illustrator, InDesign) for high-quality graphic production.

### Internship

Kalibroida Technology Solutions

2023

- Developed and integrated a smart cargo management system using AR and OCR for real-time space optimization.
- Implemented API integration and backend functionalities using Node.js and Angular.js to streamline operations.

## EDUCATION

### B.Tech in Computer Science Engineering

Vellore Institute of Technology

2021 - 2025

### 12th

Macro Vision Academy

2020 - 2021

### 10th

Macro Vision Academy

2018 - 2019

## CERTIFICATION

### NPTEL

Emotional Intelligence, Public Speaking

Python and AI Bootcamp Google, Microsoft, AWS

Dev Town