

Madhan Kumar K

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EDUCATION

PANIMALAR INSTITUTE OF TECHNOLOGY

B.E IN COMPUTER SCIENCE
May 2025 | Chennai, TN
CGPA: 8.9/10

SUNBEAM SCHOOLS

Grad. May 2021 | Vellore, TN
Percentage: 91.67

PROFILES

Github: madhannmady
LinkedIn: Madhan kumar.K
Dribbble: Madhannmady

SKILLS

WEB

HTML · CSS · Javascript

FRONT-END FRAMEWORK

React · NextJS

UI/UX DESIGN

Figma · Wireframing · Prototyping

LANGUAGES

Java · SQL

SOFT SKILLS

Teamwork · Communication ·
Adaptability · Creativity

COURSE WORK

ON GOING

Java DSA Bootcamp by Kunal
Kushwaha

GRADUATE

Certified UI/UX Course from ZTM
- Udemy

GRADUATE

Java OOPS - Scaler

EXPERIENCE

HINDUJA TECH LIMITED | UI/UX DESIGN INTERN

Jul 2023 | Chennai, TN

- Gained hands-on experience in UI/UX design using **Figma** for web and mobile applications.
- Designed responsive interfaces, wireframes, and interactive prototypes aligned with modern design principles.
- Collaborated with team members to enhance usability and visual appeal of digital products.

TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION (TANGEDCO) | SOFTWARE DEVELOPMENT TRAINEE

Jul 2024 – Aug 2024 | Chennai, TN

- Developed and deployed a **User Management System** with role-based access for Admins, Managers, and Field Testers.
- Implemented secure **session management** and **user authentication** using **PHP**.
- Built a dynamic **Login Portal** to verify and manage user access effectively.
- Designed and managed relational databases with **SQL** to handle user-specific data retrieval and storage.

PROJECTS

YOOM – VIDEO CALLING APPLICATION | PERSONAL PROJECT

April 2024

- Built a fully functional video conferencing app allowing users to create, join, and manage virtual meetings.
- Integrated **Clerk** for secure authentication and real-time communication using **Stream API**.
- Technologies: **Next.js**, **Tailwind CSS**, **Clerk**, **Stream API**.

CRISISCONNECT – CROWD-SOURCED DISASTER MANAGEMENT APPLICATION | ACADEMIC PROJECT

May 2025

- Designed and developed a disaster management platform to deliver real-time disaster alerts and emergency information using **React** and **Node.js**.
- Implemented features including weather updates, interactive maps (**React-Leaflet**), SMS alerts via **Twilio**, and a chatbot for instant assistance.
- Ensured responsive design and accessibility across devices.
- Technologies: **React**, **Node.js**, **MongoDB**, **Tailwind CSS**, **Twilio**, **Ambee API**.

RESEARCH

[1] Spatial computing: Enhancing the walks of life using mixed reality - A Study on current AR/VR/MR development and the potential they hold on various industries.]

Published this on 7th INTERNATIONAL CONFERENCE on INTELLIGENT COMPUTING.

[2] Crowd-Sourced Disaster Management System: An Efficient Web-based Solution for Disaster Safety and Emergency Response.]

Published in the International Journal for Scientific Research and Development (IJSRD), Volume 12, Issue 3, May 2025.