Madhan Kumar K

Portfolio | LinkedIn
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EDUCATION

PANIMALAR INSTITUTE OF TECHNOLOGY
B.E in Computer Science
May 2025 | Chennai,TN
CGPA: 9.1/10

SUNBEAM SCHOOLS
Grad. May 2021 | Vellore,TN
Percentage: 91.67

PROFILES

Github: **madhannmady**
LinkedIn: **Madhan kumar.K**
Dribble: **Madhannmady**

SKILLS

FRONTEND
HTML · CSS · Javascript · React

BACKEND
Java · Springboot · Nodejs · SQL · PostgreSQL · API

UI/UX DESIGN
Figma · Sketching · Wireframing · Prototyping

CORE COMPUTER SCIENCE
OOP · DSA · RDBMS · Github

SOFT SKILLS
Teamwork · Communication · Adaptability · Collaboration · Learning agility · Problem-solving

COURSE WORK

ON GOING
Java DSA Bootcamp by Kunal Kushwaha

GRADUATE
Certified UI/UX Course from ZTM - Udemy

GRADUATE
Springboot 3.0 Essesntials by Frank Moley

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 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

SPRINGBOOT BLOG APPLICATION | Personal Project
October 2025

- Built RESTful APIs with SpringDataJPA and integrated with a PostgreSQL database.
- Implemented **JWT-based authentication** for secure user management.
- Enabled CRUD operations for posts, categories, and tags with dynamic filtering options.
- Technologies: **Springboot**, **React**, **PostgreSQL**.

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.**