

Madhan Kumar K

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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
Dribbble: Madhannmady

SKILLS

FRONTEND

HTML · CSS · Javascript · React

BACKEND

Java · Springboot · SQL · PostgreSQL
· RestAPI

UI/UX DESIGN

Figma · Sketching · Wireframing ·
Prototyping

CORE COMPUTER SCIENCE

OOP · 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 Esesntials 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.