

DINAKARAN

Full Stack Developer || MERN || MEAN || AI Engineer

Nandha College of Technology, Erode —
Mechanical Engineering

JULY 2018 - JUNE 2021

EXPERIENCE

BipolarFactory, Bangalore— Senior Software Engineer OCTOBER 2023 - PRESENT

As **Team Lead**, I led the development of a **Next.js front-end** for real-time retail analytics, visualising data like foot traffic and dwell time. My role involved overseeing **code quality, maintenance, and performance optimisation**, while mentoring the team.

AppHUB Technologies, Chennai — Software Engineer SEPTEMBER 2022 - JUNE 2023

For the **World Tennis Tournament** and **International Table Tennis Federation**, I collaborated on developing a digital platform. We used **Angular** and **React** to build interactive interfaces, prioritising **performance optimisation** and **real-time data** handling to ensure a scalable and seamless user experience.

Ccube Technologies, Erode — *Application Engineer* AUGUST 2021 - SEPTEMBER 2022

As a **PLC Programming Trainer** at **Ccube Technologies**, I instructed students on practical industrial automation using **Siemens, Mitsubishi, and Delta** PLCs. My focus was on hands-on programming, debugging, and optimisation across these platforms

EDUCATION

Guvi Geek Network Private Limited, Chennai
— *Full Stack Developer Course*

JANUARY 2022 - JULY 2022

PROJECTS EXPERIENCE

OLY Retails — *Details*

At **OLY Retails**, I spearheaded the development of interactive charts and visualisations using **Next.js**, providing real-time insights into customer behaviour and store dynamics. I leveraged **RTK queries** to ensure efficient data handling and a highly responsive dashboard. My work also involved enhancing the user interface to seamlessly integrate **dynamic AI features** like Heat Maps and Alarm Triggers, all managed through an intuitive dashboard. Furthermore, I enabled **VMS integration** for streamlined camera management and real-time alerts, significantly boosting operational efficiency and security

SKILLS

Full Stack Development (MERN & MEAN Stacks):

Experienced in building scalable, user-focused applications using MongoDB, Express.js, React, Node.js, Angular, and Next.js Charts.

AI & Machine Learning (Python):

Actively engaged in mastering **AI with Python**, encompassing **machine learning** and **deep learning** principles. Focused on understanding the underlying **mission** of intelligent systems and the practical application of **neural engines** for data-driven solutions.

DETAILS

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LANGUAGES

Tamil, English.