

# DINESH MURUGAN P

Tuticorin, Tamil Nadu • dineshmurugan518@gmail.com • (+91) 6382 410 301  
🌐 dineshmurugan.netlify.app 📧 PDineshMurugan 🌐 Dinesh Murugan P 📧 Dinesh Murugan P

## PROFILE SUMMARY

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I hold an **IBM certification** in Web Development and have practical experience through **internships at Instient and System Star LLC**. I have completed over **15+ Frontend Mentor projects** and solved **55+** Java problems on **LeetCode**, demonstrating strong analytical and problem-solving skills. I develop intuitive user interfaces and deliver engaging digital experiences while staying current with industry trends.

## EDUCATION

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**Electrical and Electronics Engineering – 79%** 2021-2025  
*Kongunadu College of Engineering and Technology, Trichy*

## TECHNICAL SKILLS

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HTML, CSS/SCSS | JavaScript & Type Script | Java | Angular (NX Monorepo) | SEO Optimization

## INTERNSHIP EXPERIENCE

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**System Star LLC – Software Developer Intern** Dec 2024 – June 2025

- Built responsive UI components for the HeatFleet platform using **Angular** and **SCSS**.
- Implemented structured data and resolved **SEO** issues to improve search visibility.
- Migrated the **internal admin panel** for the HeatFleet platform from HTML to Angular
- Exploring tools like **Strapi**, **Google Search Console**, **GA4**, **Google Ads** and **Hotjar** across both HeatFleet.com and HomeHeatingExpert.com to improve content management and gain user insights.

## PROJECT EXPERIENCE

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**Software Developer Intern | System Star LLC** Dec 2024 – Present

- Developed and maintained the HeatFleet heating oil finder application using Angular within an NX monorepo, building responsive, user-friendly UI components and enhancing performance.
- Migrated the HeatFleet internal admin panel from plain HTML to Angular for improved scalability, maintainability, and dashboard features, while also independently leading a full homepage redesign aligned with modern UI/UX standards.
- Contributed to HomeHeatingExpert.com by leveraging Strapi, Google Search Console, GA4, and Hotjar to enhance content management, track user behavior, and drive SEO-focused improvements.

**Mosquito Repellent System for Cattle – IoT-Based Insect Control Project** Jan 2025 – May 2025

- Developed an IoT-based **mosquito repellent system** for cattle using a microcontroller to automate an organic oil vaporizer triggered by real-time sensor data for effective insect control.
- Secured **₹2 Lakhs funding** from the EDII Innovation Voucher Program-B to support project development.

## HACKATHON EXPERIENCE

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**GENESIS [30 hrs Intra-College Hackathon]** Mar 2024

Developed a fundraising website using HTML, CSS, JavaScript, and a Firebase database with Razorpay integration, leading a team to achieve 90% completion.

## EXECUTIVE ROLES

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IEI(India) student chapter's student Secretary | Energy Club student president | E-Cube Executive Member