Manoj kumar N

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PROFILE

Third-year B.Tech Artificial Intelligence and Data Science student with hands-on project experience in full-stack web and mobile application development and backend API integration. Practical experience with JavaScript, Python, Java, Dart, React.js, Flutter, Node.js, Express.js, REST APIs, PostgreSQL, MongoDB and Prisma ORM. Familiar with Docker, Git, GitHub, Postman and CI/CD workflows. Seeking an entry-level opportunity to contribute, learn and build reliable software solutions.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, Java, Dart
- **Frontend & Mobile:** HTML5, CSS3, React.js, Responsive Design, Flutter
- **Backend & APIs:** Node.js, Express.js, REST API Development, API Integration
- **Databases & ORM:** MongoDB, PostgreSQL, Prisma
- **DevOps & Tools:** Docker, Git, GitHub, CI/CD Workflows, Postman

EDUCATION

Bachelor of Engineering (B.Tech) – Artificial Intelligence and Data Science

Panimalar Engineering College, Chennai
Expected Graduation: 2028 | Current Status: Third Year

EXPERIENCE

REL Website Enhancement | Full Stack Developer

- Converted a static website into a dynamic platform; improved responsive UI/UX; added server-side dynamic content loading.

Macrodyne Automation Interface | Front-End Developer

- Built a responsive interface for an automated balloon drawing and inspection report system; integrated APIs to retrieve inspection data and support real-time report views.

PROJECTS

Singa Paarvai AI – Smart Real-Time Crime Detection & Alert System

- Proposed public-safety architecture combining 360-degree smart cameras, computer vision threat analytics, GPS location capture, and police jurisdiction mapping. *AI/ML, Computer Vision, IoT, GPS/GIS*

Panimalar Smart Transit – College Bus Tracking Platform

- Real-time campus transit ecosystem connecting driver telemetry, student live map tracking, ETA awareness, and admin fleet monitoring. *Flutter, Dart, Leaflet.js, Realtime Sync*

Nayaruvi Yukti – Delivery Challan Management System

- Business operations platform to create, manage, and track delivery challans across customer, product, inventory, warehouse, and returnable goods modules. *React, Node.js, MongoDB*

ACHIEVEMENTS

- **First Prize**– Ideathon ’25 at Kalasalingam University for “Medilong,” a Hospital Management System.
- **Achiever’s Day 2K26:** Winner in the Outstanding Excellence category at Panimalar Engineering College.
- **First price SURGE 2K26:** Won First Prize at the National-Level Technical Symposium.

CERTIFICATIONS

- Full Stack Development Certification
- NPTEL Programming in Java
- NPTEL Python for Data Science