

# Dineshkumar Durai



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<https://github.com/DudeDinesh/edu>

## PROFILE

Results-oriented professional with expertise in software development, and data science engineering. Strong analytical and problem-solving skills combined with a strategic mindset. Proven track record of delivering innovative solutions, optimizing processes, and driving business growth. Exceptional communication and collaboration abilities. Adaptable, proactive, and committed to excellence. Looking for the transition of the **Full Stack Software Engineer** role. Seeking opportunities to leverage skills and drive success in a dynamic and challenging environment.

## EXPERIENCE

### Technical Lead Apr 2024 – July 2024

UK Info Tech | Pudukkottai, India

- Developed and maintained diverse websites (e-commerce, CRM, ERP, Data Analysis dashboards), ensuring robust functionality, responsiveness, and superior user experience.
- Customized and optimized e-commerce platforms to align with specific business needs, integrating seamless payment gateways, and enhancing inventory and order management systems.
- Collaborated closely with design teams to transform UI/UX designs into code, ensuring harmonious integration of visual and functional elements.
- Partnered with marketing teams to boost site performance and elevate conversion rates through SEO best practices, A/B testing, and analytics.
- Successfully managed multiple concurrent projects, meeting deadlines and milestones without compromising on quality standards.

### Senior Data Analyst Aug 2022 – Aug 2023

Origin Exterminators | Singapore

- Managing outsource development team with defining project objectives, creating detailed project plans, and establishing project timelines to ensure the timely delivery of embedded systems and software projects.
- Collaborating with stakeholders to gather and analyze requirements for embedded systems, ensuring a clear understanding of project scope and objectives.
- Developed 1 WebApp, 3 Mobile App and 7 Python Script for Desktop App.
- Explore with data like Timeseries, Image Analytics, Video Analytics, Geojson, and GTP **for deliver the project and maintain.**
- Do Automate lots of work and report using **UiPath and Automation anywhere**

### Technical Lead Jan 2022 - Jul 2022

JETZERP Pvt Ltd | Karaikudi, India

- Overseeing project execution, tracking progress, managing risks and issues to ensure projects are completed on time & within budget.
- Worked with web application development for ERP applications and a couple of management systems as a software lead.
- Responsible for **developing new features, bug fixing, support, testing** and successfully completing any tasks that the manager delivers in the determined

### Lead Embedded Software Engineer (IIoT) Dec 2019 - Dec 2021

EinNel Technologies | Chennai, India

- Project Planning, Requirements, Project Execution, Collaboration, Documentation, Continuous Improvement, Customer Support
- During this stage, I improved my main skill as an Embedded developer. I would on a wide variety of projects and technologies such as **IIoT, RPA, Data Visualization, ML, Cloud, and Computer vision.**
- Working with BMS for E-V to R/W operation using control unit with the help of mobile App and Cloud.
- I developed my tenacity to solve all kinds of problems. I was in charge of projects in which I was totally alone so I had to learn to perform completely on my own with only the help of the internet.
- I had an opportunity to specialize in a smaller range of platforms. It was when I discovered my passion for IoT technologies. For several months I worked in different IoT devices.

### Associate Software Engineer Feb 2019 - Nov 2019

EinNel Technologies | Chennai, India

- Worked with web application development for CRM applications and a couple of management systems as a front-end developer.
- Develop a four single-page application by using **PWA with responsive**
- Responsible for **developing a new feature, bug fixing, support, testing** and successfully completing any tasks that the team leader and manager deliver in the determined

## EDUCATION

### Bachelor's Degree, Electronics and Communication Engineering 2019

Mount Zion College of Engineering and Technology | Tiruchchirappalli, India

- Participated in 46 state and national-level project expo events and became a **41-time champion**
- Achieved **76 1st prizes** in various technical events.
- Completed several mini-projects and more than 20 main projects.
- Submitted 14 papers, 11 of which received the **first prize**
- Attended 11 workshops at different institutes and was named the **Champion of the workshops** at ANNA UNIVERSITY
- Received 100% attendance certificates four times and was recognized as the **best library user** three times.

HIGHLIGHT

Object Counting from Video with Sensor Data Collection and Admin Dashboard, Client App, and User App

- I was head of the team and in this project, we developed a system that uses computer vision techniques to count objects in a video stream. Along with object counting, the system collects text data from various sensors and displays real-time data on an admin dashboard. Additionally, we created a client app for users to view the object counting statistics and sensor data, and a user app for interacting with the system.
- Mainly did: Get requirement → Analyze → Architecture → Development (Front end, Backend. Database) → CI/CD pipeline → Testing → Deployment → vulnerability check → get feedback → support → Improvement.

AWARDS

- Head of Innovation – (2019-2022)
- Awards for overall Co-curricular and Extra-curricular activities – (2015 – 2019)
- Twice selected by e-yantra idea completion.
- Twice selected by SMART INDIA HACKATHON.

CERTIFICATION

- Machine Learning, Computer Vision, Data Science and Deep Learning with Python  
Institute of Udemy - 2023
- Full Stack Data Analytics 2.0  
SASTRA university - 2020
- Data Structures and Algorithms using python  
School of Amrita - 2022
- Robotic Process Automation - UiPath StudioX  
Institute of onenueron.ai – 2022
- CCNA Network  
Institute of Udemy – 2021

PROJECTS

I began undertaking projects in 2016 during my second year of college, completing over 40 major projects in the areas of Hardware and Software. Starting in 2018, I expanded my experience to include industrial projects for various product-based companies. I possess the ability to develop products and execute projects in the **Electronics, Software, Automation, and AI** industries.

Software	ERP Application, CRM Application, <b>E-Commerce for B2b and B2C</b> , Task Management APP, Health Tracking App by using Fitbit and Apple products, etc.
AI	Rodent Detection from videos, Birds Counting, Hotspot prediction, etc.,
Hardware	ANR (Autonomous Navigation Robot), AI Measuring Device, Smart Attendance, etc.,
AR/VR	AR Marketing APP, Virtual floor plan APP, etc.,

SKILLS AND TECHNOLOGIES

		Full Stack Development
Frameworks:	Angular, Reactjs, Flask, Django, Laravel, Vue, Node.js, Three.js,	
Cloud:	AWS, GCP, IoT Cloud, <b>Azure (CI/CD)</b>	IoT
Programming:	Python, C/C++, OOPS, C#, Embedded C, Html, CSS, <b>JS, jQuery</b> , Bootstrap, R, <b>TS, PHP</b>	AI / Data Science
Database:	SQL, Postgrads, <b>Mango DB (No SQL)</b> , FB	
Data Science:	ML, DL, CV, NLP, LLM, AR	
Data Visualization:	Tableau, Qlik sense, <b>Power BI</b> , TIBCO	Pipeline Management
Hardware:	Arduino, ESP, Raspberry pi, STM32, ARM	
Protocols:	UART, USART, I2C, SPI, MQTT, CAN	Cloud
Tools:	MS office, Jira, VSC, GUI, UiPath, Spyder, Figma	
OS:	Windows, Linux, Raspbian // Git	
Others:	<b>Open APIs</b> , SEO, PWA, DevOps(Azure), GitHub	

INTERPERSONAL SKILLS

Analytical Skills, Leadership, Team player and Quick learner