

DURAI RAJ

FULL STACK DEVELOPER

CONTENT ME

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- Durai Raj

EDUCATION

BACHELOR OF ENGINEERING: COMPUTER SCIENCE

I.F.E.T COLLEGE OF ENGINEERING
VILLUPURAM, TAMIL NADU
2022-2026

HSC

KABILAR GOVERNMENT BOYS
HIGHER SECONDARY SCHOOL
IN THIRUKOILURE
2021-2022

SSC

SRI VIDYA MANDIR SENIOR SECONDARY
SCHOOL,THIRUKOILURE
2019-2020

SKILLS

- Python
- C,C++
- Java
- MySQL
- Leadership
- Time Management
- Problem Solving

CERTIFICATIONSES

- CSC -Python, C,C++, MySQL
- Udemy - java Course, HTML, CSS, JS

LANGUAGE

- English
- Tamil

ABOUT ME

Motivated and detail-oriented Computer Science graduate with a strong passion for software development and programming. Skilled in HTML, CSS, JavaScript, React, Node.js, Python, and SQL, with a solid foundation in front-end and back-end web development. Strong abilities in logical thinking, problem-solving, and debugging, with hands-on experience in building responsive and user-friendly web applications. Known for a positive attitude, teamwork, adaptability, and quick learning of new technologies and frameworks. Eager to contribute to innovative projects as a Full Stack Developer, while continuously enhancing technical and professional skills.

PROJECTS

Smart Investment Tracker

MAR-2025

Tech Stack: Python, XGBoost , Streamlit

- Implemented SIP calculator and goal-based investment tracking to optimize portfolio growth.
- Integrated machine learning models (XGBoost) for predictive analytics and personalized financial recommendations.
- Managed data processing, validation, and storage using Python, Pandas, and NumPy, ensuring high performance and scalability.
- Applied financial analytics and risk assessment algorithms to support data-driven decision-making.

Accident Detection System

SEP-2024

Tech Stack: Python, Machine Learning, Artificial Intelligence

- Developed an AI-powered accident detection system using Python and machine learning to analyze vehicle motion in real time.
- Implemented real-time monitoring algorithms to detect road accidents and automatically trigger emergency alerts.
- Improved emergency response times by 30% by sending instant notifications to responders and vehicle owners.
- Utilized data preprocessing, feature extraction, and predictive modeling to ensure accurate accident detection.

INTERNSHIPS

1. SUV INTERNATIONAL- AI & ML

Jan 20,2025- Feb 10,2025

- Worked on AI and Machine Learning projects, focusing on data analysis, model development, and evaluation.
- Collected, cleaned, and processed structured and unstructured datasets for training and testing models.
- Implemented automation workflows to improve model training and testing efficiency.

2. SIMPLZONE – FRONTEND WEB DEVELOPMENT

Jun 20,2024 -Jun 30,2024

- Developed and maintained responsive web interfaces using HTML, CSS, and JavaScript.
- Collaborated with designers and backend developers to implement user-friendly and visually appealing UI components.
- Optimized website performance, accessibility, and cross-browser compatibility.