Kumaran Raja
Software Developer

Eager computer science fresher with a strong passion for programming, dedicated to exploring and gaining hands-on experience in the dynamic field. Committed to honing skills, embracing challenges, and contributing innovative solutions. Enthusiastic about continuous learning and growth within the programming domain. Seeking opportunities to apply knowledge and make a meaningful impact in the tech industry.

Contact

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Education

2021-2025
Computer Science and Engineering
Vellore Institute of Technology
9.19/10

2009-2021
Higher Secondary Education
MVM Senior Secondary School
Class X 89.4%
Class XII 94.2%

Technical Skills

- Python Programming
- C/C++ Programming
- Java Programming
- React JS
- Node JS
- Tensorflow
- Keras
- Docker
- .Net Core
- C#
- Ruby
- HTML
- CSS
- Javascript
- PostgreSQL
- MySQL

Work Experience

08/2023 - 11/2023

Nippon Paint (India) Pvt | Chennai

Full Stack Engineer Intern

- Demonstrated advanced proficiency in ReactJS, employing it to craft interactive and responsive user interfaces, enhancing overall user experience.
- Implemented Ant Design UI for visually appealing and functionally optimized web applications, showcasing a keen eye for UI design.
- Leveraged .NET Core to enhance server-side functionality, contributing to the overall performance and efficiency of web applications.
- Managed robust and efficient database systems using PostgreSQL, ensuring seamless data management and retrieval.

09/2023 - 01/2024

Nomadia (India) Pvt Ltd. | Chennai

Software Engineer Intern

- Resolved various bugs in Redmine software, a robust Ruby on Rails project management tool, enhancing overall functionality.
- Implemented new features in Redmine, enhancing user experience.
- Demonstrated strong problem-solving skills, ensuring clear documentation for future reference.

Certificate

Data Scientist Course (Devtown)
Mastered the craft of analysing and wrangling data, applying it adeptly across a spectrum of machine learning and deep learning models.

Traffic Sign Classification Using Deep Learning in Python/Keras (Coursera)

Understood the working of the CNN model and implemented the CNN model using Keras and TensorFlow to classify Traffic signs based on a predefined dataset of images.

Ethical Hacking NPTEL (Top 1%)

Learned comprehensive skills in ethical hacking methodologies. The course focused on identifying and addressing cybersecurity vulnerabilities.

Languages

Soft Skills

- **Time Management**
- **Problem Solving**
- **Decision Making**
- **Team Work**

Google Cloud Practitioner NPTEL (Top 5%)

I gained comprehensive skills in leveraging Google's cloud services. Through practical training, I learned to implement various GCP solutions

Personal Projects

Intrusion detection in Wireless Sensor Network using machine learning

Working on finding intrusion detection in wireless sensor network without any human intervention using various classification based supervised machine-learning algorithms.

Smart Soil Irrigation System

Constructed an automated soil irrigation system where a sensor assesses soil moisture levels, triggering irrigation from a water tank based on the analysed values.

Student Tracker: Enrollment Management Android App

An app that explores the various features available in React native to get a set of inputs from the user and display it in a structured manner. Google Firebase is used for backend purposes.

Bio-Inspired Control Strategies for Legged Robots in Challenging Terrains

This project explores bio-inspired control strategies for legged robots, seeking to enhance adaptability in challenging terrains. Drawing from natural locomotion patterns, innovative algorithms are developed to improve agility and stability.

Personal Health Advisor

A machine learning algorithm processes user vitals to analyse and predict the cardiovascular health and mental health of the user. Subsequently, a voice assistant, employing natural language processing (NLP), delivers personalized advice based on the analysis.

Responsibility

Android Club Member, VIT Chennai

Actively involved in club activities, contributing significantly and maximizing participation in various conducted events.