

Karthikeyan R

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SUMMARY

Motivated and detail-oriented **Web Developer** with a strong foundation in **HTML, CSS, Bootstrap, JavaScript, React.js**, and **Python**. Proficient in building web applications and interactive user interfaces using modern web technologies. Eager to apply skills and grow in a dynamic IT environment. Committed to writing clean, efficient code and collaborating with teams to deliver innovative solutions.

TECHNICAL SKILLS

Web Development: HTML, CSS, JavaScript

Programming Language: Python

Libraries & Frameworks: React.js, Bootstrap

WEB DEVELOPMENT PROJECT

KMDB – Movie Database Website

Jan 2025

Independent Web Development Project

React.js, Bootstrap, TMDB API

- Built a dynamic movie database platform with React.js, fetching real-time data from the TMDB API.
- Features include movie browsing, detailed information about movies, and a responsive design.
- Optimized with Vite for fast loading and hosted on Netlify for smooth deployment.

COLLEGE PROJECT

User-Friendly Accident Detection for Cyber Security

Dec 2023 – Feb 2024

- Developed an accident detection system using Convolutional Neural Networks (CNN) to analyze real-time CCTV footage.
- Designed and trained a deep learning model from scratch using accident image datasets to predict accidents and severity.
- Implemented a scalable architecture that preprocesses data, builds and validates the model, and deploys it as an API for real-time.
- Achieved real-time processing with high accuracy, reducing false positives through continuous model validation and optimization.

EDUCATION

Hindusthan College of Arts and Science
Bachelor of Computer Applications (BCA)

Coimbatore
2021 – 2024

KK Matric Hr. Sec School
HSC – Percentage: 83%

Namakkal
2021

KK Matric Hr. Sec School
SSLC – Percentage: 75%

Namakkal
2019

CERTIFICATIONS

- Software Development Fundamental - Microsoft – Nov 2023
- Project Management Ready - Microsoft – Nov 2023
- Progressive Web Apps - Cloud Reign – May 2023
- Google Workspace - Cloud Reign – May 2022