Karthikeyan R

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SUMMARY

Enthusiastic and detail-oriented BCA graduate with a foundational understanding of web development. Familiar with front-end technologies like HTML, CSS, JavaScript, Bootstrap, and React.js, with hands-on learning experience with backend tools such as Python, MySQL, and Django. Passionate about building user-friendly web applications and currently pursuing full-stack development training. Eager to join a dynamic IT team, gain real-world experience, and grow through continuous learning.

TECHNICAL SKILLS

Frontend Development: HTML, CSS, JavaScript, React.js, Bootstrap

Backend Development: Python, Django

Database Management: MySQL

WEB DEVELOPMENT PROJECT

KMDb – Movie Discovery Web App   Jan 2025
Independent Web Development Project   *React.js, JavaScript, Bootstrap, TMDB API*

• Built a dynamic and responsive movie database platform with React.js, fetching real-time data from the TMDB API.

• Implemented dynamic routing, custom hooks for API calls, and reusable components for movie cards and navigation. .

• Key features include search functionality, category filtering (popular, top-rated, upcoming), and detailed movie pages. .

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   Coimbatore
Bachelor of Computer Applications — 7.3 CGPA   *2021 – 2024*

KK Matric Hr. Sec School   Namakkal
HSC — Percentage: 83%   *2021*

KK Matric Hr. Sec School   Namakkal
SSLC — Percentage: 75%   *2019*

CERTIFICATIONS

• Software Development Fundamental - Microsoft — Nov 2023

• Android Kotlin - Cloud Reign — May 2023

• Progressive Web Apps - Cloud Reign — May 2023

• Google Workspace - Cloud Reign — May 2022