

KAMESHWARAN K

- Java FullStack Developer

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SKILLS

Programming Language: Core Java.

Front-end Development:

HTML, CSS, Bootstrap, Tailwind, JavaScript(DOM, Event Handling, Form Validation, CRUD), React.js(Hooks, Props, React Router).

Databases: Oracle SQL, PL/SQL, Firebase.

Tools & Platforms: Git/GitHub, Eclipse, Arduino IDE.

Concepts: Object-Oriented Programming (OOPs), Data Structures & Algorithms, Exception Handling, File Handling, Multi Threading, Collection Framework.

PROJECTS

NaviBus: Real-Time Bus Tracking System

- Built a real-time bus tracking web application using HTML, CSS, JavaScript, and Firebase Realtime Database.
- Integrated OpenStreetMap for map rendering visualization.
- Deployed ESP32 microcontroller with NEO-7M GPS module to capture live bus coordinates and transmit data via portable hotspot.

Tools used: Firebase, OpenStreetMap, Arduino IDE.

Video Streaming Application (YouTube Clone)

- A responsive Single Page Application featuring a dynamic home feed with category filters and a detailed video playback interface with recommended content.
- Integrated Firebase for dynamic data retrieval and utilized React Router to manage seamless navigation between the main feed and specific video pages.

Tools used: React.js, Tailwind CSS, Firebase, React Router.

INTERNSHIP

Sunshiv Electronic Solutions, Coimbatore | Jul 2024 - Aug 2024

- Designed and modified 15+ PCB layouts for electronic circuit development using industry-standard tools like Eagle, Coppercam.
- Programmed and optimized firmware for 5+ microcontroller-based real-time applications, improving reliability and reducing debugging time.

EDUCATION

B.E. in Electronics and Communication | 2021-2025

Government college of engineering, Dharmapuri CGPA-7.75

CERTIFICATIONS

- Java FullStack Development – Jspiders, Marathahalli, Bangalore.
- PCB designing, Embedded Programming – Sunshiv Electronics Solution, Coimbatore.
- Conducted Workshop on PCB designing – GCE, Dharmapuri.

ACHIEVEMENTS

- Achieved Top 1000 rank among 10,000 teams in Niral Thiruvizha 2.0 Hackathon.
- Acted as Placement representative for ECE department for the academic year 2024-25.
- Organized Elecsta 2024, managing 120+ attendees and coordinating 2 events.