

# Kalaiyaran Dass



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## Profile

Motivated MERN Stack Developer with a strong foundation in JavaScript, HTML, and CSS. Proficient in building full-stack web applications using MongoDB, Express.js, React.js, and Node.js. Skilled in creating responsive and user-friendly interfaces, developing RESTful APIs, and managing databases. Familiar with version control (Git).

## Skills

- **Tools:** VisualStudio, Anaconda, Canva, Vercel, Postman, Render, GitHub, Tableau
- **Professional Skill Set:** JavaScript, Python, Node.js, React.js, MongoDB, HTML, CSS, Bootstrap, Git, Excel
- **Systems and Networking:** System imaging, Proxy/VPN Configuration, Microsoft Office 365, Windows Migration, Linux, Windows, macOS
- **Soft Skills:** Presentation, Planning, Organized, Creative Problem-Solving, Active Listening, Adaptability, Analytical Thinking

## Projects

### Inventory Management Tool

*Technologies: React, JavaScript, HTML, CSS, Node.js, MongoDB*

Developed an inventory management tool to help businesses track and manage stock in real-time. Features barcode scanning, low-stock alerts, automated replenishment, and detailed reporting for efficient inventory control.

### Podcast

*Technologies: React, JavaScript, HTML, CSS, Node.js, MongoDB*

A podcast web app that allows users to browse, stream, and download their favorite podcasts. Features include a searchable directory, episode playlists, and user subscriptions. The app provides detailed information about each podcast, including episode descriptions and release dates. It demonstrates skills in API integration, state management, and responsive design.

### E-commerce

*Technologies: React, JavaScript, HTML, CSS, Node.js, MongoDB*

A full-featured e-commerce platform includes user authentication, product management, shopping cart functionality, and order processing. The platform supports secure payment integration, user reviews, and product search capabilities. It demonstrates skills in full-stack development, RESTful API design, and responsive UI/UX design.

## Professional Experience

### Desktop Engineer(Freelancer), (*Alliance healthcare*)

Paris, France 02/2023 - 03/2023

- Imaging the systems and configuring them as per the user request
- Configuring proxy and VPN services.
- Microsoft Office 365 related troubleshooting and configuration for new profiles.
- Windows Migration Including Pre & Post Migration complete configuration for new machines.
- Service now, Creating, Handling and assigning tickets.

### Research Engineer, (*ISEP- école d'ingénieurs du numérique*)

Paris, France 01/2022 - 07/2022

- Researched and developed a "video SLAM" main focus is creating a map of an environment using the video and to use it developing autonomous vehicles.
- Used various python libraries to plot the map and to draw the environment.

## Education

### MS Embedded Systems ISEP- école d'ingénieurs du numérique

Paris, France 2019-2022

Relevant Courses: Data Acquisition and Processing, Electronics for IoT, Networks Fundamentals, Connected Vehicles, Radio Communications, Medical Robotics.

### B.Tech IT C.Abdul Hakeem College Of Engineering And Technology

Vellore, Tamil Nadu, India 2014-2018

Relevant Courses: Software and Hardware, Mobile technology, Programming and Data Structures, Software Engineering, Web Programming, Database Management Systems, Artificial Intelligence, Grid and Cloud Computing.