

KARTHIK M

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CAREER OBJECTIVE

Aspiring Software Engineer with strong analytical skills and hands-on project experience in web and Java development, eager to leverage skills in data analytics and AI-powered solutions in a dynamic tech team.

EDUCATION

Higher Secondary Certificate Schaffter Higher Secondary School	2017 – 2019 Tamil Nadu ,Tirunelveli
Bachelor of Engineering – Electronics and Communication Engineering Francis Xavier Engineering College, CGPA: 8.25	2019 – 2023 Tamil Nadu, TVL

WORK EXPERIENCE & INTERSHIP

Intern – Power Failure Alerting & Monitoring System , Bosch Limited Worked on system integration and real-time monitoring setup.	Aug 2022 – Oct 2023 Gangaikondan, TVL
Quality Analyst Officer , SCHNEIDER ELECTRIC SE Analyzed production data to identify trends and defects. Implemented improvements in electronic component manufacturing.	Aug 2023 – Jul 2024 Poonamallee , Chennai
Trainee – Full Stack Java Developer , Besant Technologies Training in Java, React, SQL, and web development.	Aug 2024 – Jun 2025 Anna Nagar, Chennai

SKILLS

Programming : HTML, CSS, JavaScript, Java, SQL.
Frameworks / Tools : Bootstrap, React JS, GitHub, Bitbucket, Visual Studio Code.
Hardware : Embedded Systems, Internet of Things (IoT).

PROJECTS

Multi-Step Form (HTML, CSS, JavaScript)

- Developed a responsive multi-step form to improve user data entry experience.
- Implemented form stage navigation and real-time validation using JavaScript.
- Designed an intuitive progress bar to guide users through each step.

Car Website Template (Bootstrap, HTML, CSS)

- Created a responsive car dealership website with Bootstrap's grid system.
- Integrated sections like car listings, contact form, and user testimonials.
- Customized design with CSS and added scroll animations for better UI.

Product List with Search & Filter (React.js)

- Built a dynamic product listing page that supports real-time search and filtering.
- Utilized useState for state management and reusable components for clean layout.
- Enabled category and keyword-based filtering to enhance user experience.

Web Medical Management System (Java, JSP, MySQL)

- Developed a web app for managing appointments, doctor schedules, and patient data.
- Implemented user login, CRUD operations, and an admin dashboard using Java Servlets and JSP.
- Designed a MySQL database for storing and querying medical records securely.

Electricity Billing System (MySQL)

- In the projects section, emphasize data handling, analysis, or AI-related aspects.
- Created a database-driven system for managing electricity usage and bill generation.
- Implemented relational database with foreign keys and data validation for accuracy.

Designed an IoT-based embedded system for real-time power outage detection and alerting using sensors and microcontrollers.

- Created a database-driven system for managing electricity usage and bill generation.
- Implemented relational database with foreign keys and data validation for accuracy.
- Automated billing calculations based on meter readings and customer info.