

**AKKASH KARTHIKEYAN**

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**PORTFOLIO:** <https://akkashkarthik.github.io/MyPort/MyPort.html>

## CAREER OBJECTIVE

- To begin my career as a Software Developer where I can apply my knowledge of Java, Spring Boot, React JS, and MySQL to build efficient applications, while continuously enhancing my technical expertise.
- To contribute to an innovative organization by utilizing my skills in full-stack development, testing frameworks (JUnit, TestNG, Cucumber), and automation tools like Selenium to deliver high-quality software solutions.
- To grow as a versatile IT professional by gaining practical experience, learning emerging technologies, and taking on challenging projects that add value to the organization and strengthen my career path.

## EDUCATION

- Bachelors in Information Technology Sri Manakula Vinayagar Engineering College, Puducherry, India.  
CGPA:7.91/10.00. (2019 -2023).

## SKILL SETS

- **Programming Language:** Java.
- **Front-End:** J2EE, JSP, Servlet, HTML, CSS, Javascript.
- **Frameworks and Libraries:** Spring Boot, TestNG, Junit, Cucumber, React JS.
- **Database:** MySQL, JDBC.
- **Testing:** Selenium.
- **Version control:** Git and Git Hub.
- **Tools:** Eclipse, Maven.

## CERTIFICATIONS COMPLETED

- Java Course Certification (CodeBuilders) in 2022.
- HTML and MySQL Course Certification (CodeBuilders) in 2022.
- Java Selenium and Frameworks (JUnit, TestNG, Cucumber) Course Certification (Green Technologies) 2025.

## ACADEMIC PROJECT

- **Project Title & Description:** Enhanced Digital Signature that ensures authenticity and confidentiality
- Developed a secure digital signature web application to ensure authenticity and confidentiality in file transmission and messaging.
- Implemented SHA-256 hashing algorithm to generate tamper-proof digital signatures.
- Integrated custom firewall rules to detect and block unauthorized activities and intrusion attempts.
- Built a responsive UI using React.js, with a seamless user experience for signing, verifying, and transmitting data securely.
- Used REST APIs to enable secure server communication and ensure data integrity during transmission.
- Focused on addressing security vulnerabilities such as tampering, data breaches, and unauthorized access.

## TOTAL EXPERIENCE - (July 2024 to Present)

Lumina Datamatics - Puducherry, India

## TECHNICAL EDITOR

- Perform content cleanup in Word documents by removing unnecessary elements such as improper alignment, extra words, commas, periods, and inconsistent fonts.
- Upload the cleaned Word documents into JXpress software for automated editing.
- After automated editing, generate the corresponding XML files.
- Run validation processes to check for XML and HTML errors.
- If errors are found, review the XML file to identify the specific lines causing the issue.
- Correct the errors in the XML to ensure compliance with formatting and structure standards.

## **INTERNSHIP**

**Company Name:** Infotrixx.

**Project Title:** Employee Payroll System.

**Technologies:** Java, MySQL, Spring Boot, Rest API.

**Duration:** 1 month (January 2024).

### **Project Title – Employee Payroll System:**

- The project focused on developing a web-based system to manage employee salary details, attendance, deductions, and other payroll-related processes.

### **Technologies Used:**

- The backend was developed using Java with Spring Boot, ensuring a structured and scalable architecture.
- MySQL was used for database management, and REST APIs were implemented for communication between frontend and backend.

### **Core Functionalities:**

- Key features included employee data management, salary calculation, tax and deduction automation, payslip generation, and role-based access for HR/admin users.

### **RESTful Services:**

- APIs were built to handle CRUD operations (Create, Read, Update, Delete) for employee and payroll data, supporting integration with frontend or third-party tools.

### **Learning Outcome:**

- The internship provided practical experience in backend development, database handling, and building enterprise-level applications using modern Java frameworks and RESTful architecture.

## **VALUES OFFERED**

- Good listener, quick learner, and perfectionist in carrying out any tasks with proper plan and steps.
- Have good interpersonal and problem-solving skills.
- Highly motivated in learning new technologies and exploring the same.