Suriya.P

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Portfolio <https://suriya-protfolio.netlify.app/>

# Objective

Motivated Entry-Level Software Engineer at Deloitte with a strong foundation in full-stack development, Passionate about building scalable, high-performance applications, optimizing software performance, and driving innovative solutions. Skilled in Java, Spring Boot, SQL, and database management, with a keen interest in problem-solving and technical innovation. Seeking to contribute technical expertise and analytical skills growing as a technology professional

# SRM TRP Engineering College

**Education**

2024 pastout

Bachelor of Engineering (Electronics and Communication Engineering) CGPA: 7.40

# Skills

Programming: Java, Python, JavaScript,

Frame work: Spring Boot, React.js ,Django

Database Management: SQL, PostgreSQL

Software Development: API Development, REST APIs,

Version Control: Git, GitHub.,

# Projects

**Web-Based Banking Application using Java Spring Boot**

Engineered a secure banking system using Spring Boot & PostgreSQL, reducing transaction failures by 40%.

Implemented a real-time fund transfer module, improving processing speed by 30% and enhancing user experience.

Developed a loan management module to streamline loan applications, approvals, and EMI tracking, improving approval efficiency by 25%.

Integrated automated email notifications for transaction alerts, ensuring 100% real-time updates for users.

# Ecommers project using Django

# An e-commerce project involves building an online platform for buying and selling goods or services,

# typically featuring a product catalog, shopping cart, secure payment processing, and order management.

# TACTOSIGN – Smart Wristband for Speech-Disabled Kids

Designed a wearable device with pulse and thermal sensors, LED displays.

* Sends real-time health data to caregivers, enhancing monitoring for speech-disabled children

# Languages

Tamil English

# Workshops And Training

In-plant Training at Code Bind Technologies (Web Development)

Gained hands-on experience in frontend & backend technologies using React & Spring Boot.

Developed a mini project on E-commerce site development, focusing on user authentication & product management.

In-plant Training at TVS Motor (Manufacturing IT Systems)

Collaborated with IoT Engineers to integrate cloud-based monitoring systems for real-time inventory tracking.

Optimized database queries using SQL & PostgreSQL, improving inventory accuracy by 30%. Debugged data flow errors in sensor data pipelines, reducing system downtime by 15%.

Applied Software Testing principles (Unit Testing & API Testing) to verify data consistency.

Power BI & Excel Workshop

Analyzed business data using Power BI dashboards and advanced Excel formulas. Created interactive visual reports to support business decision-making.

# Certifications & Courses

Full Stack Development – Currently Pursuing

Learning Spring Boot, React, Node.js, PostgreSQL for full-stack application development.

Implemented a real-world project integrating JWT authentication & API security Cybersecurity – Naan Mudhalvan Certification

Studied network security, penetration testing, and cloud security best practices. Applied OWASP security guidelines to detect and prevent API vulnerabilities.

* Internet of Things Development – NPTEL Certificate
* Business Analysis – Online Course (LinkedIn & Microsoft)

# Soft Skills

* Problem Solving & Analytical Thinking
* Team Collaboration & Communication
* Adaptability & Quick Learning
* Project Management & Leadership
* Attention to Detail & Critical Thinking

# Paper Presentations & Competitions Paper Presentations & Competitions

Advanced Analysis of Electroretinogram Based on Wavelet Scalogram Processing": Won Best Paper Award with cash prize at India’s Scientific Symposium Festival.

* "TACTOSIGN – Innovative Band for Newborns & Speech-Disabled Kids": Presented at Internal Hackathon