

Suriya.P

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Objective

Motivated Entry-Level Software Engineer at Deloitte with a strong foundation in full-stack development, cloud computing, and software engineering. 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 to Deloitte's cutting-edge projects while growing as a technology professional

Education

- SRM TRP Engineering College** 2024 pastout
Bachelor of Engineering (Electronics and Communication Engineering)
CGPA: 7.5

Skills

- Programming: Java, Python, JavaScript Web Development: Spring Boot, React, Node.js
Database Management: SQL, PostgreSQL Software Development: API Development, REST APIs, Microservices, Software Testing, Agile Methodology,
CI/CD Pipelines Version Control: Git, GitHub Data Analysis & Visualization: Power BI, Excel SDLC (Software Development Life Cycle) Object-Oriented Programming (OOP) Debugging for ATS optimization.

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.

- Fault Diagnosis and Optimization of Solar Power Plant using IoT**

Built an IoT-based monitoring system to enhance solar plant efficiency.

- Integrated sensor data processing and machine learning algorithms to detect performance anomalies

- 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