

SARAVANAN K

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Education

Sri Eshwar College Of Engineering

Expected May 2022

Bachelor of Engineering in Electronics and Communication Engineering (GPA: 7.9 / 10)

Coimbatore, Tamilnadu

- **Relevant Coursework:** Microcontroller, Embedded C, Java, Data Structures and Algorithms, C++

Projects

Project Name 1 | *Login and Registration System*

- Developed a GUI-based system using Java Swing with CRUD operations, search/filtering (reduced data retrieval time by 40%).
- Integrated MySQL via JDBC for secure storage of employee records, payroll, and department data.
- Implemented user authentication and role-based access control (RBAC) to prevent unauthorized access.
- Uses keywords (Java Swing, MySQL, JDBC, CRUD, RBAC).

Project Name 2 | *Currency Converter*

- Developed a real-time currency converter using Java Swing with interactive UI, supporting multi-currency conversions.
- Integrated REST API for live exchange rates, ensuring accurate, up-to-date data with minimal latency.
- Keywords: Java Swing, REST API, caching, performance optimization.

Project Name 3 | *Ecommerce website*

- Developed full-stack e-commerce platform using Spring Boot for backend services and React.js for dynamic frontend, enabling seamless product browsing and transactions.
- Designed RESTful APIs for product management, user authentication, and payment processing with Spring Security integration.
- Optimized performance by 40% through database indexing and React component memoization, reducing page load times.
- keywords: Spring Boot, React.js, REST API, Spring Security

Technical Skills

Languages: Java, MySQL, Spring boot & MVC Framework

Technologies: React.js, , Spring Boot, jQuery, Bootstrap, Power BI, AWS

Concepts: Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, API, Database Normalization, Agile Methodology, Cloud Computing

Certifications

Pumo Technovaction : Java, MySQL, servlet , HTML5, CSS3, JavaScript, iQuery, Bootstrap, Java Swing , Spring Framework , MVC , Spring boot

Manfree Technologies : C, C++, Java, Hibernate, JDBC, J2SE

HackerRank: Software Engineer Intern

ACHIEVEMENTS & AWARDS

Leetcode : saravanan002

Solved 300+ coding problems on LeetCode, strengthening expertise in Data Structures and Algorithms (DSA), including Arrays, Trees, Graphs, and Dynamic Programming.

HackerRank : @saro_sks02

Enhanced problem-solving skills by tackling complex algorithmic challenges, improving coding efficiency and optimizing solutions for performance.