K R Srimathi Software Developer

Bangalore | Linkedin | Git-hub | Leetcode | Scaler | Portfolio | ✉ krsrimathi7@gmail.com

SKILLS

- Java, DSA, Full-Stack Development, HTML, CSS, JavaScript, SQL, MongoDB, Node, Express, React, MERN Stack, Bootstrap, Git, Python, FastAPI.

PROJECTS

Minting NFTs and Building an NFT Marketplace like OpeanSea

🔗 Portfolio Website
Implemented a distributed URL shortener with high availability using Java (Spring Boot), Redis, PostgreSQL, and AWS. Designed a system for efficient short URL generation, caching, and analytics with load balancing and consistent hashing.

Inventory Management App (MERN Stack)

🔗 GitHub Repository
Developed a real-time fraud detection system using Python (FastAPI), Apache Kafka, PostgreSQL, and TensorFlow. Designed a scalable pipeline for transaction processing, anomaly detection using ML models, and instant fraud alerts via Kafka event streaming.

EDUCATION

Scaler   *2025 (Pursuing)*

Specialized in Software Development & Problem Solving

- Data Structure and Algorithms with an overall PSP of 98%

SRM Institute of Science and Technology   2023

ME/M.Tech/MS in Construction Engineering and Management | 9.98 CGPA

- Gold-medalist for excellent academic performance
- Published a patent on "**A system for conversion of drawings into non-fungible token (NFT) and a method thereof**"
- Published a research paper in Springer on "**Automated construction schedule optimization using Genetic Algorithm**"
  https://link.springer.com/article/10.1007/s42107-023-00729-8

Vellore Institute of Technology   2021

BE/B.Tech/BS in Civil | 8.76 CGPA

- GUVI certification for C and Python

EXPERIENCE

Senior Engineer   Jul 2023 – Mar 2025

Larsen & Toubro Limited   Headquarters, Bangalore

- Secured Chalet Phase-4, Mumbai project with 100% efficient costing exhibiting the prefab-steel fast construction technology used Primavera, MS Excel.
- Optimized the cost up to 80% and secured the UPPCL Ayodhya Hotel project with PPVC technology.
- Oversaw the contracting, client-relationship management, costing and Mockup of Vaigai Hostels (IIT Madras) with PPVC technology and other 3D printing projects.
- Implemented digital initiatives and reduced the concrete wastage up to 90% through effective tool usage.

ACHIEVEMENTS / CERTIFICATION COURSE

- Won 2nd place in prototype contest "Virtual Reality based Construction Site Safety training" using Python and Worldviz Vizard.

COURSES

- The Complete Full-Stack Web Development Bootcamp
- Complete AI Engineer Bootcamp
- Practical AI with Python and Reinforcement Learning