

K R Srimathi

Software Developer

Bangalore | [Linkedin](#) | [Git-hub](#) | [Leetcode](#) | [Scaler](#) | [Portfolio](#) | ✉ krsrimathi7@gmail.com

SKILLS

- **Programming:** Java, Python, JavaScript, SQL
- **Web Development:** MERN Stack (MongoDB, Express, React, Node.js), HTML, CSS, Bootstrap, REST APIs
- **DevOps & Cloud:** AWS (EC2, S3), Docker, Linux
- **Tools & Technologies:** Git, GitHub, Postman, VS Code, CI/CD basics, AI, LLM, OpenAI/Huggingface
- **Database:** MySQL, MongoDB

PROJECTS

[Spoticlone: A music Destination](#)

Developed a responsive music streaming web app primarily using the MERN stack (MongoDB, Express.js, React.js, Node.js). Implemented dynamic music playback, a custom audio player for seamless user experience across devices.

[Keeper App](#)

Built a full-stack productivity tracker using MERN, with CRUD functionality and MongoDB storage. Designed responsive UI with React. Developed scalable REST APIs.

[FinBot – AI Financial News Research Tool](#)

Designed a URL-based financial content retriever using Lang-Chain, FAISS & OpenAI for LLM integration. Enabled semantic search with source-linked responses, useful for financial analysis.

[AI-Powered SQL Query Assistant.](#)

Developed a GenAI tool that transforms natural language into SQL queries for MySQL databases.

EXPERIENCE

Senior Engineer

Larsen & Toubro Limited – Bangalore | Jul 2023 – Mar 2025

- Leveraged data analytics and cost estimation models to secure high-value projects worth 200Cr+.
- Business planning (overall project milestone and process planning), budget forecasting, risk assessment.
- Conducted feasibility analysis for every project using past project data-backed insights leading to 80% cost optimization in key bids.

EDUCATION

Scaler (Aug 2024 – Sep 2025)

Specialization in Software Development and DSA

Java, DSA, Full-Stack, System Design

M.Tech. in Construction Engineering & Management

SRM Institute of Science and Technology (2021–2023) – CGPA: 9.98

B.Tech. in Civil Engineering

Vellore Institute of Technology (2017–2021) – CGPA: 8.76

- Certifications in Python and C (GUVI)

COURSES & CERTIFICATIONS

- **Full-Stack Web Development Bootcamp** – Udemy
- **Complete AI Engineer Bootcamp** – Udemy

ACHIEVEMENTS

- 2nd Prize – VR-Based Construction Safety Simulator using Python (WorldViz software)
- Published a patent on NFT based drawing digitization system ([Link](#))
- Published research on AI-based project scheduling ([Springer](#))