

Raman Kumar *Software Development Engineer*

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Profile

Enthusiastic and curious software developer passionate about learning new technologies and staying updated with industry trends. Known for quickly building rapport, I thrive in dynamic teams and enjoy creating tools that bring business value, especially in the finance and banking domain. Passionate about AI, I leverage it to streamline workflows and solve real-world problems.

Professional Experience

Software Development Engineer

Surya Financial Technologies Pvt Ltd

05/2024 – present | Bangalore, India

- Developed banking web applications; enhanced in-house code generator.
- Proposed adoption of T4 templates for maintainable code generation.
- Created end-to-end CRUD APIs for risk assessment workflows.
- Improved maker-checker workflows using autoflow integration.
- Migrated configuration to a dynamic UI for easier maintainability.
- Debugged and resolved exception handling bugs by root-cause tracing.

Software Development Engineer

Surya Digitech Pvt Ltd

01/2023 – 04/2024 | Bangalore, India

- Set up CI pipelines using GitHub Actions; integrated Megalinter for code quality.
- Benchmarked performance of ClickHouse vs PostgreSQL using Docker.
- Contributed to the Khazana project's CRUD modules and validations.
- Enhanced tooling using Clikt for CLI parsing; improved documentation.
- Updated frontend templates and hosted Storybook on AWS.

Software Developer Intern

Shadowfax Pvt Ltd

01/2022 – 04/2022 | Bangalore, India

- Worked on Payouts team using Django framework.
- Gained hands-on debugging skills and understanding of payment systems.

Education

B.E. (Information Science and Engineering)

R.V. College of Engineering

08/2018 – 08/2022 | Bangalore, India

CGPA - 8.65

Class XII

Central School

04/2016 – 04/2017 | Kanpur, UP, India

Skills

SQL

Spring Boot

Git

.NET

C++

Certificates

- Java Programming
- NPTEL Introduction to Programming in C
- Artificial Intelligence: Search Methods for Problem Solving
- Scrum Fundamentals for Scrum Master and Agile Projects

Projects

Social Distancing Detector

Social Distancing Detector uses OpenCV, Computer Vision, and deep learning.

- YOLO object detector is used to detect persons in a frame.
- The pairwise distance of all the persons is calculated.
- If any distance is less than specified 'N' pixels, it is counted as a violation of social distancing
- An alert message goes to the Security's mobile if the violations count exceeds the specified limit.

Travel Experience Website

This is a MERN stack application showcasing trips, photos/videos and reviews of visited places.

- A Mapbox API is used.
- The front end is created using HTML/CSS.
- MongoDB is used to store the data.