

# Rohan Shetty

Location: Bangalore, KA

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## EXPERIENCE

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### Software Engineer

Jul 2023 – Present

*Inkers Technology*

*Bangalore*

- Engineered a mobile application enabling real-time control of LiDAR and thermal camera streams, resulting in a remarkable **40% reduction in data processing duration**.
- Engineered seamless **billing and payment flow** within the web app, integrating third-party payment APIs and optimizing the user experience.
- Developed Schedule Analytics feature for PMC's to track progress and timely delivery of milestones., **improving project efficiency by 25%**.
- Enhanced authentication system by adding **support for third-party login via Procore and Autodesk**.
- Mentored junior developers**, fostering a culture of learning and professional growth within the team.

### Software Development Engineer-1

Dec 2020 – Jun 2023

*Machani Robotics*

*Bangalore*

- Utilized our in-house bot as a platform to advance AI research, focusing on **natural language processing and human-robot interaction**.
- Developed an in-house **Text-To-Speech pipeline** in Python, eliminating reliance on third-party services.
- Crafted an animation framework with Blender and FastAPI for internal use, **reducing development time by 30%**.
- Created a low-code editor for generating robot application config, **resulting in a 60% increase in staff productivity**.

## PROJECTS

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### Mobile App for LiDAR

*React Native, Python, PostgreSQL*

[Source Code](#)

- Developed React Native app to control LiDAR and thermal imaging device.
- Implemented real-time Point Cloud, RGB and Thermal image stream.
- Integrated multipart upload functionality for data collected to AWS and GCP

### KCET Admission Cutoff Analyzer

*React, Frappe, PostgreSQL, AWS*

[Source Code](#)

- A web app to predict college admission based on previous year cutoff ranks.
- Developed a parser in Python, which can read complex tabular structure in PDF Files.
- Integrated Github actions for CI/CD, and deployed using Docker container.

## TECHNICAL SKILLS

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**Languages** : Python, Typescript, Javascript, Golang

**Frameworks** : Django, Flask, Node.js, React, React Native, Frappe

**Databases** : SQLite, MongoDB, PostgreSQL

**Devops-CI/CD** : Git, Gitlab, Github Actions

**Other Tools** : Docker, AWS

## EDUCATION

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### **Dayananda Sagar College of Engineering**

*Bachelor of Technology in Civil Engineering - 8/10 CGPA*

Bangalore, KA

*Jul 2016 – Jul 2020*