

# BHARATH D

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## SUMMARY

Enthusiastic CS student at RVCE, eager to learn and contribute to impactful projects and develop scalable tech solutions. Skilled in coding, problem-solving, and designing efficient applications. Driven by a passion for creating scalable, user-friendly, and real-world tech solutions.

## TECHNICAL SKILLS

- Programming Languages and Tools: **Java and basics of C, C++, Python**
- Backend Development: **MongoDB, SQL**
- Frontend Development: **HTML, CSS, React.js**

## EDUCATION

<b>Bachelor of Engineering in Computer Science and Engineering</b> R V College of Engineering, Bengaluru	<b>2023 - Present</b>
• CGPA: 8.89/10	

  

<b>Pre-University</b> Masters PU College, Hassan	<b>2021 - 2023</b>
• Grade: 96/100	

## PROJECTS

<b>Rescue Radar - A web platform for reporting animal rescues</b> <i>Frontend: React.js, CSS   Backend: Node.js, Express.js   Database: MongoDB</i>	<b>2024</b>
• Developed a simple web app that connects Rescuers and Public who can report rescue cases and the rescuers available can take up and complete these rescues.	
<b>Edge-Based Fruit &amp; Leaf Disease Detection System</b> <i>Technologies: Raspberry Pi, PyTorch, Edge ML, Convolutional Neural Networks ,YOLO</i>	<b>2025</b>
• Developed a Raspberry Pi 4 system with Sony IMX477 camera to detect pomegranate and grape leaf diseases using TorchScript models. Integrated Flask web interface for real-time display and SQLite for data logging.	
<b>IOT and ML based Bank Crime Detection System</b> <i>Technologies: Raspberry Pi, PyTorch, Edge ML, Convolutional Neural Networks ,YOLO</i>	<b>2025</b>
• Developed a an edge system that takes in surveillance videos,extracts frames and detects crime scenarios id any objects such as gun,mask,rappid movement are detected. • Trained machine learning models on dataset extracted from Roboflow universe. • Integrated the ML model with Raspberry Pi to act as an edge device. • Enabled fast response, on-device inference to ensure immediate detection without constant cloud dependency.	

## EXTRAS

- Participated and got shortlisted in **Reverse Codex** contest which was organised by IIT Madras.
- Data Science for Engineers certification from NPTEL
- Active member of **Kannada Sangha Club** with experience in social media designs and production design, contributing to successful cultural events and festivals.
- Interested in Photography and film-making.