

# Prakash Dass R

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## Professional Summary

A passionate **Software Developer** with expertise in building scalable, user-friendly applications. Proficient in **JavaScript, Python, and Node.js**, with a strong foundation in **Data Structures, Algorithms, and DBMS**. Actively contributing to **open-source projects** and leveraging **cloud technologies** to solve real-world problems.

## Work Experience

**Artificial Intelligence Intern**   *Infosys Springboard*   Oct 2024 - Dec 2024

- Developed a **Heart Disease Prediction Model** using KNN and Scikit-learn, achieving **85% accuracy** and reducing diagnostic time by **30%**.
- Integrated the model into a **Django-based system**, improving prediction efficiency by **10%**.

**Freelance Developer**   *Self-Employed*   2023 - Present

- Integrated **Razorpay** for an e-commerce platform, enabling seamless payments and increasing revenue by **15%**.
- Optimized backend performance, reducing load times by **20%**.

## Projects

**Client Management System**   *PHP, MySQL*   *GitHub*

- Developed a **task automation system** to assign and track client follow-ups efficiently, reducing manual effort by **30%**.
- Implemented an intuitive **dashboard** with real-time task monitoring and automated reminders, improving office administration efficiency.

**RedConnect - Blood Donation System**   *MERN Stack*   *Live Link* — *GitHub*

- Developed a **Blood Management System** to streamline donation requests and allocation.
- Implemented **user authentication, real-time notifications, and donor tracking**, ensuring proper follow-ups and improving donor engagement.
- Deployed on **Vercel** with CI/CD pipeline, reducing deployment time by **50%**.

**Personal Portfolio Website**   *Next Js, Tailwind CSS*   *Live Link* — *GitHub*

- Designed and developed a **personal portfolio website** to showcase projects and skills, emphasizing user-centric design and seamless navigation.
- Managed domain and hosting, ensuring high availability and performance.

**Rush Hour Treasure Hunt**   *React, TypeScript*   *Live Link* — *GitHub*

- Built a **serverless treasure hunt app** for Rotaract Club events, supporting **70+ participants** with real-time challenges and a dynamic leaderboard.
- Designed **scalable and responsive features**, ensuring smooth performance during high-traffic events.

## Areas of Interest

- Artificial Intelligence & Machine Learning
- Full Stack Development - Scalable applications, microservices
- Open Source Contributions - Community driven projects

## Technical Skills

- Programming Languages:** JavaScript, Python, C++, TypeScript
- Frontend:** React.js, Next.js, Tailwind CSS
- Backend:** Node.js, Express.js, REST APIs
- Databases:** MySQL, MongoDB
- Core Subjects:** Data Structures, Algorithms, Computer Networks, OOPs, DBMS
- Tools:** Git, Docker, Postman, Netlify, Vercel
- Soft Skills:** Leadership, Public Speaking, Team Collaboration

## Education

**B.Tech in Artificial Intelligence and Machine Learning**   *Sri Shakthi Institute of Engineering and Technology*   2022 - 2026

- CGPA: 7.90/10**

## Certifications

- CI/CD for DevOps** – GUVI (2024)
- Generative Models** – Infosys Springboard (2024)
- SQL Fundamentals** – Oracle (2023)

## Coding Profiles

- LeetCode:** 250+ problems solved (**100+ Easy, 100+ Medium, 10+ Hard**), earned **3 badges** for consistent problem-solving and participation. Profile Link
- HackerRank:** SQL Intermediate.
- GitHub:** 60+ repositories showcasing projects.

## Leadership and Volunteering

**Community Service Chair**   *Rotaract Club*   2023 - 2024   **All Avenue Chair**   *Rotaract Club*   2024 - 2025

- Lectured workshops on **web development** and **machine learning** for 100+ students, improving their technical skills and employability.
- Streamlined club operations by introducing **digital tools** for task management and communication, reducing administrative workload by **30%**.
- Participated in **hackathons** and **coding competitions**, strengthening problem-solving and teamwork skills.

## Languages

- English:** Professional Proficiency
- Tamil:** Native Proficiency
- Kannada:** Conversational Proficiency