

Prakash Dass R

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Professional Summary

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

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.

Group Links Application *MERN Stack* [Live Link](#) — [GitHub](#)

- Developed a **group link sharing and chat platform** enabling users to create and join groups, share resources, and engage in real-time discussions.
- Integrated secure user authentication, group management, and online chat features using WebSockets and MongoDB.
- Deployed on a custom domain with responsive design for optimal user experience across devices.

Meme Voting Application *MERN Stack* [Live Link](#) — [GitHub](#)

- Built a full-stack **meme voting platform** enabling users to upload and vote on memes in real time, with a dynamic leaderboard.
- Implemented user authentication, RESTful APIs, and MongoDB integration for secure and scalable data management.
- Deployed the application using Vercel and ensured smooth performance across devices.

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.

Publications

- Power Consumption Analytics Using Cloud Platforms** – *International Journal of Scientific Research & Engineering Trends*, Volume 10, Issue 6, Nov-Dec 2024, ISSN (Online): 2395-566X

Technical Skills

- Programming Languages:** JavaScript, C, C++, TypeScript
- Frontend:** React.js, Next.js, Tailwind CSS, Bootstrap CSS
- Backend:** Node.js, Express.js, GraphQL, RESTful APIs
- Databases:** MySQL, MongoDB
- 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: 7.93/10**

Certifications

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

Coding Profiles & Hackathons

- Data Structures:** Solved 300+ problems on LeetCode and GeeksforGeeks; actively participate in coding contests.
- GitHub:** 60+ repositories showcasing personal and collaborative projects.
- AI Hackathon (National Level):** Selected for the final round (upcoming).

Leadership and Volunteering

Workshop Facilitator *AI & ML Dept. 2023*

- Taught 100+ students web dev & ML via hands-on sessions and coding tasks.

Projects Chair *Rotaract Club 2024 - 2025*

- Streamlined club operations by introducing **digital tools** for task management and communication, reducing administrative workload by **30%**.

Areas of Interest

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

Languages

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