

# PRADEEPA C

Full Stack Developer

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## SUMMARY

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**Full Stack Developer** skilled in **React, Node.js, Express, and MongoDB**, with a strong foundation in building **scalable web applications** and **RESTful APIs**. Demonstrates **attention to detail**, **problem-solving abilities**, and **effective collaboration**, with clear **verbal communication** and organizational skills to deliver **high-quality solutions**.

## SKILLS

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**Programming Languages:** JavaScript (ES6)

**Front End:** HTML5, CSS3, React.js, Bootstrap

**Back End:** Node.js, Express.js

**Databases & APIs:** MongoDB, REST APIs

**Tools & Deployment:** Git/GitHub, Postman, Netlify, Render

## WORK EXPERIENCE

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**Web Development Tutor** | Superprof | Kumbakonam, TN | **Oct 2025 – Present**

- **Delivered 1-on-1 online tutoring sessions** in HTML, CSS, JavaScript, and React, focusing on concept clarity and real-world examples, which led to a **45% improvement** in students' coding proficiency and confidence.
- Created **structured lesson plans, coding exercises, and mini projects**, enabling students to apply knowledge practically, resulting in a **35% increase** in student engagement and course completion rates.

**Full Stack Developer Intern** | SmartWeb Technologies | Coimbatore, India | **Aug 2024 – Dec 2024**

- Implemented **end-to-end JWT-based authentication** for **registration, login, and dashboard** modules, ensuring **100% secure session handling**, protected routes, and reliable user authorization across the application.
- **Developed responsive Pricing and Dashboard pages** with intuitive UI/UX and cross-device compatibility, improving user engagement, accessibility, and navigation efficiency by **85%**.
- **Designed a scalable system architecture** with modular components and separation of concerns, enabling future expansion into payment integration, role-based access control, and analytics while achieving **90% code reusability**.

## PROJECTS

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**Crypto Crash Game** | [\[Live\]](#) | [\[Github\]](#) | **Aug 2025 - Sep 2025**

- Improved **real-time game responsiveness by 40%** by implementing **WebSocket-based communication** between the React frontend and Node.js backend, ensuring instant crash updates and smooth gameplay.
- Reduced **invalid betting actions by 35%** by designing robust **server-side bet validation and round-state management** using Express.js and MongoDB, enhancing game fairness and reliability.

**AI-Powered Text Query Assistant** | [\[Live\]](#) | [\[Github\]](#) | **Jan 2025 - Mar 2025**

- **Built a scalable AI Assistant** with text integration and file-based querying, enabling users to upload files and receive context-aware responses using the **Groq API**, resulting in a **35% increase in user engagement**.
- **Enhanced response accuracy to 85%** by implementing **real-time text parsing, semantic analysis, and optimized response generation**, significantly improving **user experience** and **system performance**.

## VOLUNTEER EXPERIENCE

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**Field Investigator** | Tamil Nadu SCERT | PUMS Sivapuram School, Kumbakonam | **Feb 2025**

Volunteered for **SLAS Exams** over a period of three days, ensuring **100% protocol compliance** and **efficient data collection**.

## EDUCATION

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**Bachelor of Computer Applications (BCA)** | Kumbakonam, TN | **Aug 2022 - Jun 2025**

Government Arts College (Autonomous) | **CGPA: 9.12**

## CERTIFICATIONS

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- **Introduction to Backend Development** | Meta (Coursera) | Backend Fundamentals | **Dec 2024**
- **Programming in Java** | NPTEL (IIT) | Core Java, OOP | **Nov 2023**