S. K. Pradarshan

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Professional Summary

Computer Science student (8.54 CGPA) skilled in full-stack web development (MERN, Django) and programming (C++, Java, JavaScript). Experienced in building AI-driven applications, web games, and security bots. Seeking a challenging software development role to apply and grow these skills.

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.E. CSE	SRM Valliammai Engineering College	8.66 (Current)	2023-Present
Senior Secondary	DTEA Senior Secondary School, CBSE Board	70.1%	2022
Secondary	Tagore Senior Secondary School, CBSE Board	78.8%	2020

Project

- **ArtisanConnectAI:** Architected a full-stack MERN marketplace with secure authentication, an AI recommendation system (TensorFlow.js), and a Gemini API chatbot, projected to increase user engagement by over 20%.

- **Timetable Generator:** Engineered a Django web application to generate conflict-free schedules, managing 10+ constraints and reducing manual scheduling time by an estimated 90% via a user-friendly GUI.

- **MCP Telegram Bot:** Constructed a Python-based security bot to protect users from digital threats by deploying an automated message filtering system with an estimated 95% accuracy in blocking malicious content.

- **Weather Widget:** Developed a responsive weather widget using JavaScript, integrating the OpenWeatherMap API to fetch and display real-time data for cities worldwide.

- **CatchTheSquare Game:** Scripted an interactive web game using vanilla JavaScript, implementing DOM manipulation, a scoring system, and dynamic difficulty to challenge player reflexes.

Technical Skills

Languages: C++, Python, Java, JavaScript
Web Development: React, Redux, Next.js, Node.js, Express.js, Django, Tailwind CSS, Material-UI
Tools & Technologies: Git, VS Code, Linux, Postman, Gemini API, TensorFlow.js

Experience

- **Research & Development Software Intern | Bibliotech | Summer 2025:**

  As a Research & Development Intern, I assisted the R&D team by creating testing models and optimizing code for focsem autofocus and powerfocus systems. My contributions included managing Python Package Index (PIP) distributions, supporting senior staff with experimental model creation, and authoring technical documentation for internal tools and research findings.

- **Event Organizer, CodeRIzz Club:** Co-organized 5+ technical events (contests, workshops) for over 200 participants, managing logistics, promotions, and coordination to ensure successful execution.

Achievements

1st Place: TechQuest Coding Contest (2024) | **1st Place:** Algorift Coding Contest(2025) | **3rd Place:** BuzzFeed Programming Contest (2024) | **Honorable Mention:** Model United Nations (MUN) (2025) |
3rd Place: Data Fury - Power BI (2025) | **3rd Place:** Badminton inter-college (2025)