

PAWANI SHARMA

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PROFESSIONAL SUMMARY

Third-semester B.Tech Computer Science student at SRM Institute of Science and Technology (CGPA: 9.42/10.00) seeking software development internships. Strong foundation in Java, Python, and full-stack web development using JSP, Servlets, React, and Node.js. Experienced in building end-to-end applications covering UI design, REST APIs, real-time features, and database integration. Passionate about creating secure, scalable, and user-centric software while continuously learning industry-level development practices.

TECHNICAL SKILLS

Programming Languages: Java, C, C++, Python, JavaScript, TypeScript, SQL

Frontend: React, Vite, HTML5, CSS3, Tailwind CSS, JSP, Servlets

Backend: Node.js, Express.js, REST APIs, WebSockets, Socket.IO

Databases: MySQL, MongoDB

Libraries & Tools: Pandas, NumPy, Jupyter Notebook, Git, GitHub, VS Code, Postman

Core Concepts: Object-Oriented Programming, Data Structures & Algorithms, DBMS, Full Stack Development, Web Application Development, JWT Authentication

PROJECTS

Dynamic Web-Based Expense Tracker

Java, JSP, Servlets

- Built a full-stack expense management web application enabling users to record, update, categorize, and analyze financial transactions in real time.
- Implemented graphical data visualization to display spending trends and patterns, improving user decision-making and budget awareness.
- Designed a clean, responsive interface for adding expenses, viewing history, and tracking monthly financial summaries.

Edugram – Smart India Hackathon 2025

Web Application

- Developed a gamified learning platform for rural Indian students to make education engaging, interactive, and accessible.
- Personally tailored the experience for students in Odisha with local language support to improve learning reach and usability.
- Selected in SRM Internal Selection for Smart India Hackathon 2025 for addressing education accessibility challenges.

Chess Engine Web App

React, TypeScript, TanStack Start

- Built a browser-based chess platform featuring a custom AI engine powered by Negamax search, Alpha-Beta pruning, Zobrist hashing, and transposition tables.
- Developed an interactive user interface using React, TypeScript, and TanStack Start with board customization, hint generation, and game analytics.
- Applied algorithmic optimization and efficient data structures to improve engine search performance and deliver a smooth full-stack chess experience.

JojnaConnect – Government Scheme Discovery Platform

React, Vite, Node.js, Express.js, MySQL

- Developed a full-stack web application using React, Vite, Node.js, Express.js, and MySQL to help users discover relevant government welfare schemes.
- Implemented scheme search, eligibility filtering, category-based recommendations, and detailed scheme information pages through RESTful APIs.
- Designed responsive interfaces and MySQL-backed data storage for improved accessibility and reliable scheme information retrieval.

TypeRacer – Full-Stack Real-Time Web Application

React, Node.js, Socket.IO, MySQL

- Built a multiplayer typing game using React, Node.js, Express, MySQL, and Socket.IO with real-time race synchronization and live leaderboard updates.
- Implemented secure authentication, WPM/accuracy tracking, RESTful APIs, and database-driven score management with a responsive UI.
- Designed WebSocket-based event handling to support concurrent multiplayer sessions with low-latency performance.

EDUCATION

SRM Institute of Science and Technology, KTR

2025 – 2029

B.Tech in Computer Science and Engineering | 3rd Semester | CGPA: 9.42/10.00

Gyan Bharti Educational Complex, Patna

2025

Class XII – 71.4%

Don Bosco Academy, Patna

2023

Class X – 84.7%

LANGUAGES

English – Professional Proficiency | Hindi – Native Proficiency | Japanese – Beginner

CERTIFICATIONS

- Microsoft Certified: Azure AI Apps and Agents Developer Associate (2026)
- Microsoft Certified: Fabric Data Engineer Associate (2026)
- SRM Internal Selection – Smart India Hackathon 2025