

# PRAVEEN S

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## Summary

Penultimate-year Computer Science student with experience building scalable software systems and full-stack applications. Strong foundation in data structures, algorithms, and software design, with demonstrated leadership and industry experience.

## Skills

Programming Languages	Python, Typescript, SQL, C, Java
Frameworks & Libraries	Next.js, React, Tailwind CSS
Backend & Databases	PostgreSQL, Supabase, Firebase, Drizzle ORM, REST APIs
Tools & Platforms	Git, GitHub, Docker, Vercel

## Experience

### LEAD DEVELOPER INTERN | WEBZENITH SOLUTIONS

FEB 2025 – OCT 2025

Full Stack Developer(Remote)

Tools Used: Next.js, Firebase, GitHub

- Developed and maintained full-stack web applications using modern technologies and collaborated with developers to deliver production-quality features.
- Designed database schemas and implemented authentication and role-based access mechanisms for scalable applications.
- Contributed across frontend and backend components while following Git-based development workflows and debugging complex issues.

### PROJECT LEAD INTERN | MARZELET INFO TECHNOLOGY

JUN 2026 – Present

Full Stack Developer(Hybrid)

Tools Used: Next.js, Supabase, GitHub

- Leading the design and development of a scalable inventory management platform comprising modules for products, suppliers, warehouses, purchase orders, stock transfers, and reporting.
- Architected relational database schemas and backend workflows to ensure data consistency and maintainability.
- Driving system design decisions and coordinating development efforts to deliver reliable and production-ready solutions.

## Projects

### SONIC - AI Music Card Generator

- Developed an AI-driven application that analyzes playlist metadata to generate personalized music identity cards and psychological profiles.
- Designed a high-efficiency architecture that reduced LLM token consumption by 95% through JSON-based template injection and local rendering.
- Implemented a reliable AI orchestration pipeline using Google ADK, FastMCP, and LiteLLM with Groq-powered inference and Gemini fallback, while optimizing metadata extraction through a single-pass scraper.

### MazeCrawler AI Agent | Kaggle Competition

- Built an autonomous multi-agent system for intelligent exploration and resource collection in a partially observable maze.
- Implemented pathfinding, map reconstruction, and decision-making algorithms for efficient navigation and scoring.
- Designed a modular Python architecture enabling strategy optimization and scalable agent coordination.

### BlogSpace - Full-Stack Blogging Platform

- Built a full-stack platform for creating and managing blogs with secure authentication and role-based access control.
- Designed relational database schemas and implemented CRUD operations using Supabase and PostgreSQL.
- Integrated image storage and optimized data fetching to deliver a scalable and responsive user experience.

## Awards & Certifications

- Won 2nd place in 8hrs Full stack Hackathon conducted at S.A.Engineering College
- Solved 100+ LeetCode problems.
- Completed NPTEL certifications in Programming in Java, Software Testing, and Blockchain and its Applications.

## Education

B.E. Computer Science and Engineering  
S.A.Engineering College, Chennai

Graduation Expected: 2027  
CGPA: 8.9 / 10