

Saruleka P

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Profile

Information Technology student with hands-on experience in full-stack development using Python, Flask, MySQL, and modern web technologies. Currently expanding knowledge in AI and Machine Learning. Proficient in problem-solving, communication, and team management for seamless project execution.

Education

Sri Sivasubramaniya Nadar College Of Engineering, B.Tech in IT Aug 2023 – Jun 2027
CGPA: 8.506/10.0

Sri Lathangi Vidya Mandir, Higher Secondary Jun 2022 – Apr 2023
Percentage: 98.2

Experience

Python Programming Intern, CodSoft | Remote Jul 2024 – Aug 2024

- Delivered 3+ Python-based backend projects during a 1-month virtual internship, focusing on core logic development and real-world problem solving.
- Engineered structured modules using OOP, file I/O, and control logic, resulting in a 30% efficiency gain.

Projects

Online Bridge Card Game | [GitHub](#) Feb 2025 – May 2025

Tech Stack: Python, Flask, MySQL, HTML, CSS, JavaScript

- Co-developed an online multiplayer Bridge card game with Flask backend logic for bidding, play phase, and scoring.
- Improved trick accuracy by 40% through the integration of advanced data structures and rule validation logic.
- Tested extensively in multiplayer mode, achieving consistent performance with 4 concurrent users per session.

Smart Attendance System | [GitHub](#) | [Live Demo](#) Jun 2025

Tech Stack: Python, Flask, MySQL, HTML, CSS

- Built a full-stack attendance management web app with admin login, student database, and daily tracking features.
- Automated daily attendance reporting and reduced manual effort by 70%.
- Deployed on Render and verified consistent performance with real-time attendance tracking.

Payroll System | [GitHub](#) Mar 2024

Tech Stack: Python, Flask, SQLite, HTML, CSS

- Implemented a scalable payroll system using 4 design patterns, improving logic reuse by 40%.
- Enabled rule-based salary generation with real-time leave deductions, reducing payroll processing time by 60%.
- Developed employee and attendance management dashboards, enhancing admin tracking efficiency by 50%.

Skills

Languages: Python, C (Basics), Java (Basics), SQL, HTML, CSS, JavaScript

Frameworks/Tools: Flask, MySQL, Git, GitHub, Render

Core Concepts: Data Structures & Algorithms, OOP, DBMS, Computer Networks

Soft Skills: Teamwork, Communication, Problem Solving, Time Management, Adaptability

Certifications

- Programming in Java – NPTEL (IIT) | Jul 2024 – Nov 2024
- Python Skill Certificate – HackerRank | Mar 2024
- UI/UX Design Bootcamp – Figma | Mar 2024