



PREM KUMAR K

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B.Tech, Computer Science and Engineering - Cloud Computing

Address : No.32 Thandai Periyar Nagar, Kumananchavadi



Education

SRM IST-Ramapuram

B.Tech · Computer Science and Engineering - Cloud Computing · Ramapuram, Chennai

2027

CGPA - 8.44/10

ST. JOSEPH MATRIC HR SEC SCHOOL

Class XII - State board · Maths with Computer Science · Poonamallee, Chennai

2023

Percentage - 71%

ST. JOSEPH MATRIC HR SEC SCHOOL

Class X - State board · Poonamallee, Chennai

2021

Percentage - 88.4%

Projects

Trip Budget Management System | [GitHub Link](#)

Team Project, SRM Institute of Science and Technology, Ramapuram · Python (Flask), Render (Web hosting), HTML, CSS

Sept 2024 - Dec 2024

Web Development / Expense Management

- Developed a web-based application that allows users to plan trips by setting budgets, recording expenses, and tracking spending across categories to ensure cost-effective travel.
- Implemented real-time expense tracking and visual budget comparisons to enhance financial oversight during trips.
- Utilized **Python (Flask)** for backend development, **HTML/CSS** for the frontend, and deployed the application on **Render** for web hosting.

Payroll Management | [GitHub Link](#)

Team Project, SRM Institute of Science and Technology, Ramapuram · Python (Flask), SQLite, HTML, CSS, PythonAnywhere (Web hosting)

Feb 2025 - Apr 2025

Web Development / Payroll Automation

- Designed and implemented a secure client-server Payroll Management System supporting role-based access for employees and administrators.
- Enabled functionalities such as attendance tracking, automated salary generation, and payroll report generation.
- Built using **Python (Flask)** with **SQLite** for backend storage; deployed on **PythonAnywhere**; frontend developed using **HTML** and **CSS**.

SmartBank-Terminal-Based ATM System

Self-Project | Independently Developed using Foundational Knowledge · Python, MySQL Database

May 2023 - Oct 2023

Banking and Financial Systems

- Built a terminal-based ATM system with secure login, balance inquiry, deposit, withdrawal, and transaction history features.
- Integrated **Python** with **MySQL** for real-time data handling and user account management.
- Designed a menu-driven CLI with transaction logging and limited login attempts.

Certifications

Python (Basic) | [Certificate Link](#)

HackerRank · FCBD185CAAF2

May 2025

SQL (Advance) | [Certificate Link](#)

HackerRank · 0EF7C15C6361

May 2025

Problem-Solving (Basic) | [Certificate Link](#)

HackerRank · D10E8DA3EEF5

Oct 2024

Skills

Programming Languages: Python, Java (Basic), JavaScript (Basic)

Languages and Frameworks: Python (Flask, Matplotlib)

Tools and Technologies: MySQL, SQLite3, CSV, API Integration, GitHub, Web Hosting (PythonAnywhere, Render, Netlify)

Design and Simulation Tools: HTML, CSS

Domain Knowledge: Web Development, Database Systems, Data Visualization

Technical Skills: Backend Development, Database Management, API Integration, Web Application Deployment, GitHub

Areas of Interest: Full-Stack Web Development, Data-Driven Applications, API Development & Integration

Languages

Tamil [Native Proficiency], English [Limited Working Proficiency], German [Elementary Proficiency]

Links

[GitHub](#), [LinkedIn](#), [LeetCode](#)