Samrat

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Education

Vellore Institute of Technology	Aug 2021 – June 2025
B.Tech in Computer Science and Engineering	CGPA: 7.81/10
St Dominic Savio's High School,	2020 – 2021
Class XII (CBSE)	Percentage: 68.83%
Army Public School	2018 – 2019
Class X (CBSE)	Percentage: 62.4%

Technical Skills

Programming Languages: C++, JavaScript, SQL
Technologies & Frameworks: React.js, TypeScript, Express.js, Node.js, Front-end, Generative-AI
Databases & Tools: MySQL, MongoDB, Postman, Git, GitHub.
Relevant Coursework & Tech-Stack: Object Oriented Programming, Operating Systems, Data Structures and Algorithms, DBMS.

Projects

Persona AI | *React, TypeScript, Gemini API* | Persona-AI
- Building a persona-driven chat platform with single-chat and side-by-side comparison modes to evaluate how different AI personas respond to the same prompt.
- Designing a clean, responsive UI with a three-panel layout (Controls, Chat/Comparison, Evaluation) and a mobile-optimized stacked view that hides the AI Judge panel on small screens for better readability.
- Implementing an AI Judge module that scores responses on overall quality, persona authenticity, tone, and relevance, with real-time feedback and session-level performance analytics.

Employee Time Tracking Management | *MERN Stack* | EmplooyeeTime3
- Designed and implemented a comprehensive Employee Time Tracking Management System, streamlining attendance, login/logout times, and leave applications.
- Developed a full-stack application using the MERN stack (MongoDB, Express.js, React.js, Node.js) to create a robust, scalable, and user-friendly interface, improving system scalability.
- Role-based access control, ensuring secure and seamless access for employees and administrators in unauthorized access incidents.

AARKS Solution – Bicycle Rental System | *HTML, CSS, JavaScript, PHP, MySQL*
- Developed bicycle rental system for college campuses using HTML, CSS, JavaScript for the frontend, and PHP with MySQL for the backend. This system promotes sustainable transportation by reducing reliance on motorized vehicles
- Implemented secure user authentication and integrated payment processing to enhance user experience. The system includes both user and administrative interfaces for efficient management.
- Ensured compatibility across browsers and platform

Certifications

AWS Cloud Practitioner – AWS (Feb 2024)
MERN Full Stack Internship Program – Ethnus (Dec 2023)
Intro to SQL – Kaggle (Jan 2023)
Coding Ninja C++ Certification (Nov 2022)

Co-Curricular & Achievements

- Conducted technical events and workshops impacting 11,000+ students.
- Solved 250+ programming problems on GFG and LeetCode.
- Photography Team Lead – Hindi Club (VIT Bhopal) and Co-Lead – D2C Igniters Club.