

Harsh Vardhan Singh

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SKILLS

Languages: C++, C, Python, SQL, JavaScript, Java, HTML/CSS

Frameworks: ReactJS, ExpressJS, NextJS

Databases: MySQL

Cloud Platforms: Render, Netlify

Developer Tools: Git, Powershell

EXPERIENCE

Computer Society of India, VIT

Tech Junior Core

TypeScript, Express, PostgreSQL

- Contributed to backend development for Laser Tag registration system handling 500+ participants with slot booking functionality
- Coordinated Laser Tag event operations across two days, managing event logistics and team coordination

The AI ML Club, VIT

Editorial Core

Technical Writing, Research Analysis

- Authored technical blogs on artificial intelligence concepts and emerging trends in machine learning
- Analyzed and synthesized findings from academic papers into accessible content for team research

Institution's Innovation Council, VIT

Member

Event Management

- Organized and executed technical events including hackathons and innovation-focused competitions

PROJECTS

BulletPages | JavaScript, Gemini API, Chrome Manifest V3, CSS

- Engineered Chrome extension leveraging Gemini API to deliver AI-powered web page summarization with customizable output lengths (4 or 10 bullet points)
- Implemented secure local storage architecture using Chrome's Storage API, ensuring API keys remain client-side with zero external data transmission

Goal Wall | React, TypeScript, Vite, Google OAuth, Supabase, Tailwind CSS

- Developed goal tracking application with Google OAuth integration, featuring visual progress indicators and local data persistence
- Architected authentication flow and designed Supabase integration for cross-platform synchronization and enhanced data management

EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science (Information Security) - CGPA: 8.46

Vellore, Tamil Nadu

September 2024 – Present

CO-CURRICULAR

Competitions & Leadership

CTFs, Hackathons, Model United Nations

- Part of multiple hackathons demonstrating innovative problem-solving and rapid prototyping
- Actively participated in Capture The Flag (CTF) competitions during Gravitas, VIT's Tech fest.
- Achieved recognition in Model United Nations conferences for diplomacy and research-driven lobbying