

ADERINE PEREZ VICTOR JOANS

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EDUCATION

SNS College of Engineering

B.E Computer Science and Engineering (CGPA: 8.3/10)

2023 – 2027

Coimbatore, India

EXPERIENCE

SNS Square

Software Engineer Intern

Feb. 2026 – May 2026

Coimbatore, India

- Developed **workflow automation systems** using Node.js and n8n, integrating multiple SaaS APIs for real-time data processing.
- Built custom backend nodes for **API integrations** enabling automated operations
- Reduced manual effort by **50%** through automation
- Implemented secure authentication (OAuth 2.0, API keys)
- Collaborated in Agile teams optimizing production workflows

PROJECTS

Personal Productivity Tracking Platform

🐙 GitHub

- Built a **career tracking platform** using **React, TypeScript, and Tailwind CSS** for intuitive and responsive user experience
- Adopted by **50+ active users** to track goals, skills, and productivity in real time
- Integrated **Firebase Firestore** for **real-time data synchronization** and seamless state management
- Designed a **scalable frontend architecture** with optimized component reusability and performance

Smart Attendance System (RAG-based)

🐙 GitHub

- Engineered an **AI-powered smart attendance system** using **Retrieval-Augmented Generation (RAG)** and **face recognition**, achieving **95% accuracy** in identification
- Optimized query performance by **40%** through integration of a **vector database** for efficient semantic retrieval
- Designed and developed **modular REST APIs** for attendance tracking, analytics, and reporting

SKILLS

Languages: C++, Python, JavaScript, TypeScript, SQL

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, REST APIs, API Integration

AI / Automation: n8n, LangChain, LLM Workflows, RAG

Databases: MySQL, MongoDB, Supabase, Firebase Firestore, Snowflake, Vector Databases

Tools: Git, GitHub, Postman, VS Code, Figma

Concepts: Data Structures, Algorithms, OOP, System Design Basics, API Design, OAuth 2.0, Real-Time Systems

ACHIEVEMENTS

- Won **1st place** in University Project Expo for innovative product development
- Trained **300+ students** in AI, design thinking, and automation tools through workshops and bootcamps
- Led and organized a **college awareness campaign** impacting hundreds of students