

TECHNICAL SKILLS

- Programming Languages: C, Java, JavaScript, Python, SQL
- Data Structures, OOPs, CI/CD, RESTful API, Web Socket, Version Control(Git, GitHub)
- Database: MySQL, MongoDB
- Web Technologies: HTML, CSS
- Frameworks and libraries: Reactjs, Nodejs, Express, flask
- Developer Tools: VS code, IntelliJ IDEA, Postman

PROJECTS

NLP-Driven Database Automation Tool | Python, MERN [\[Link\]](#)

- Developed an NLP-powered automation tool that converts natural language into ER diagrams and creates SQL databases, streamlining database creation from concept to deployment
- Fine-tuned Google Gemini 1.5 Pro Flash for ER diagram generation, created an agent with CrewAI for NLP-to-SQL query generation and Utilized Mermaid library for dynamic ER diagram visualization

LearnSQL | MERN,Python [\[Link\]](#)

- Interactive SQL learning platform designed for college DBMS classes. It enables faculty to assign exercises and tests, while students can learn, practice SQL, and receive guidance. Faculty can also monitor student progress for improved assessment.
- Developed with the MERN stack, integrated Google Gemini 1.5 Pro Flash for NLP-based doubt clearing, implemented RBAC, and utilized AlaSQL for the SQL playground.

Electricity Monitoring & Optimization System | MERN, Arduino, Embedded C [\[Link\]](#)

- Built an electricity monitoring system that tracks appliance consumption, creates custom usage plans, and alerts users to turn off appliances when they exceed their targets.
- Fetched data from sensors using Arduino Nano, transmitted it to the Node.js server via Bluetooth, and leveraged WebSocket for real-time client-server interaction.

EXPERIENCE

Freelance Web Developer

Event Website for College Math Club

- Developed a dynamic event website for the college Math Club with features for registration, schedule management, and announcements.
- Built a dynamic UI with React as the frontend framework.

EDUCATION

Kongu Engineering College

B.E in Computer Science and Design

2026

CGPA:8.94(till 4th semester)

G.H.S.S Veerapandi, Tirupur

Class 12

2022

Percentage: 85.33%

ACHIEVEMENTS

- Won 3 coding contests at outer colleges and 2 at inter-college competitions.
- Won 1st prize for a Bus Management System project in the 30-hour KEC Inter-College Hackathon.
- Secured 3rd prize for the Electricity Monitoring & Optimization System in a 24-hour GDSC Hackathon.
- Won 1st prize for the NLP2SQL bot in the Inter-College Thinkathon event.
- Joint Treasurer of the department coding club; previously served as Coordinator.