

PROFESSIONAL SUMMARY

Results-driven Computer Science student specializing in software development. Built an AI-powered database designer automating schema generation from natural language. Proven problem-solver with multiple hackathon wins and tech leadership. Seeking a Software Developer role to build scalable, impactful solutions.

TECHNICAL SKILLS

- Programming Languages: C, Java, JavaScript, SQL
- Data Structures, OOPs, 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 Designer | Python, MySQL, Express.js, React.js, Node.js, Flask, Gemini AI [Link]

- Cut design time by 50% by developing an NLP tool that converts natural language into ER diagrams and SQL schemas.
- Boosted automation by fine-tuning Google Gemini LLM model and an NLP-to-SQL agent using CrewAI.
- Streamlined deployment from concept to production with seamless MySQL cloud integration.
- Enhanced visualization using Mermaid.js and React.js for dynamic, user-friendly ER diagrams.

SQL Lab for College DBMS Curriculum | MERN stack, Python, Flask, Google Gemini [Link]

- Led development of an interactive SQL learning platform for the DBMS laboratory curriculum.
- Implemented RBAC for secure, hierarchical account management, streamlining user workflows.
- Reduced server load by 70%, using AlaSQL for in-browser SQL execution.
- Developed NLP-based doubt clearing with Google Gemini 1.5 Pro Flash, reducing faculty workload by 40%

AYUSH Startup Registration Portal | MERN stack, Python, Flask, Google Gemini [Link]

- Developed a low-latency, scalable web app for AYUSH startup registration.
- Implemented automated document verification and real-time feedback features with MERN stack.
- Achieved a top 50 ranking in the Smart India Hackathon within the college.

EDUCATION

Kongu Engineering College	2026
B.E in Computer Science and Design	CGPA:8.73(till 5th semester)
G.H.S.S Veerapandi, Tirupur	2022
Class 12	Percentage: 85.33%

ACHIEVEMENTS

- Won 4 coding competitions– 3 at outer colleges and 1 at inter-college contests.
- 1st Place- 30-hour KEC Hackathon for developing a Bus Management System.
- 1st Place- Inter-College Thinkathon for creating an NLP-to-SQL bot.
- 3rd Place- 24-hour GDSC Hackathon for building an Electricity Monitoring System.
- Solved 400+ coding problems across LeetCode, GFG, and Coding Ninjas.
- Leadership: Serving as Joint Treasurer of CDCC (Coding Club); previously Coordinator.
- Organized 10+ coding contests and a 24-hour hackathon, fostering competitive coding culture