

Leena Sri K

Coimbatore, Tamil Nadu | Email | GitHub | LinkedIn | Portfolio

Education

B.Tech in Computer Science and Engineering , Amrita Vishwa Vidyapeetham, Coimbatore <ul style="list-style-type: none">CGPA: 8.04 / 10	2023 – 2027
Class 12 (ISC Board) , Jeevana School, Madurai <ul style="list-style-type: none">Percentage: 88%	2020 – 2022
Class 10 (ICSE Board) , Jeevana School, Madurai <ul style="list-style-type: none">Percentage: 92%	2019 – 2020

Projects

Billing & Inventory Management System <ul style="list-style-type: none">Developed a desktop billing application automating inventory, sales, and customer management.Implemented real-time inventory tracking using FIFO methodology, processing 500+ daily transactions.Built multi-role authentication and automated reporting modules with CSV exports.Integrated WhatsApp API for digital receipt distribution, automating 300+ monthly invoices.	Python, Tkinter, CSV
Edge Computing Load Balancer Simulation <ul style="list-style-type: none">Developed a digital twin simulation for healthcare IoT systems using YAFS to analyze fog and edge task distribution.Designed an optimized load-balancing strategy that reduced response latency through efficient request allocation.Modeled realistic network behavior with sensors, fog nodes, and cloud layers to study communication and computation delays.Produced comparative performance metrics and visualizations to evaluate algorithm behavior under varying workloads.	Python, YAFS
NLP Proofreading & Grammar Correction Pipeline <ul style="list-style-type: none">Built a modular NLP pipeline including preprocessing, noise generation, transformer-based inference, and evaluation.Applied FLAN-T5 and T5-Base models to improve grammatical accuracy and sentence clarity.Assessed output quality using custom metrics such as Error Ratio and Diff Meaning Ratio.Designed a reproducible workflow enabling experimentation with different models and noise patterns.	Python, NLP, Transformers

Technical Skills

Programming Languages: C, C++, Java, Python, SQL, HTML5, CSS3, JavaScript
Frameworks / Libraries: Tkinter, NumPy, Pandas, Matplotlib
Databases: MySQL, PostgreSQL (Beginner)
Tools / Technologies: Git, GitHub, Linux (Basic CLI), VS Code, Jupyter Notebook, AWS (Beginner), MATLAB

Certifications

AWS Certified Solutions Architect – Training Program , Apttron <ul style="list-style-type: none">Completed training covering AWS core services, cloud architecture, and best practices.	June 2025
Elevate – Data and AI Excellence Program (Outstanding Performance) , Jozuna <ul style="list-style-type: none">Recognized for dedication and performance in data fundamentals and AI concepts.	October 2025