

# Leena Sri K

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

## Education

<b>B.Tech in Computer Science and Engineering</b> , Amrita Vishwa Vidyapeetham, Coimbatore <ul style="list-style-type: none"><li>CGPA: 8.03 / 10</li></ul>	2023 – 2027
<b>Class 12 (ISC Board)</b> , Jeevana School, Madurai <ul style="list-style-type: none"><li>Percentage: 88%</li></ul>	2020 – 2022
<b>Class 10 (ICSE Board)</b> , Jeevana School, Madurai <ul style="list-style-type: none"><li>Percentage: 92%</li></ul>	2019 – 2020

## Projects

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

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