SUNKARA LAKSHMI ALEKHYA

📞 +91 9121497327 ✉️ slalekhya@gmail.com 🔗 LinkedIn 🐙 GitHub

Education

Vellore Institute of Technology, Andhra Pradesh   **2022 - 2026**
B.Tech in Computer Science & Business Systems   *8.82/10 CGPA*

Sri Chaitanya Junior College   **Jun 2020 - April 2022**
Class 12   *95.4%*

Dr. K.K.R's Gowtham School   **Mar 2020**
Class 10   *100%*

Experience

Retail Sales Forecasting & Reporting Dashboard – Project

- Developed a complete pipeline: **Data Cleaning (Excel) → Forecasting Models (Python, ML) → Interactive Dashboard**.
- Applied **time series models** to predict future sales and improved accuracy through feature engineering.
- Built a **KPI-driven dashboard** to monitor sales trends and support data-driven decision-making.
- Tools used: **Excel, Pandas, Scikit-learn, Plotly/Dash, Power BI**.

Projects

Coin Based Mobile Charging   https://github.com/LAKSHMIALEKHYA14/Coin-based-mobile-charger
Using Arduino and C++
- Created a coin-operated mobile charger using Arduino and C++ that powers phones with a 5V supply and shows remaining charging time. The system validates coins and is ideal for public places like bus stops and train stations.
- Connected Arduino to the internet with an ESP8266 Wi-Fi module, allowing the system to track coin entries in real-time.

Library Management System https://github.com/LAKSHMIALEKHYA14/Library-Management-System-in-C
Data Structures
- Created a Library Management System in C using linked lists, allowing users to issue and return books by entering a book ID and user details.
- Managed book records so users can only issue one book at a time, and records of issued books can be easily viewed.

Technical Skills

Languages: Python, Java, C, C++, SQL

Problem Solving: Data Structures and Algorithms, Object-Oriented Programming in C++, Excel, Data Visualization, Power BI,Azure

Front End: HTML, CSS,React.js

Developer Tools: VS Code, GitHub

Databases: MySQL, MongoDB, Queues

Production Tools: Docker, Open API Spec

Certifications

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- Certified by Cisco Networking Academy in Programming Essentials in C++ (2023)
- Certified by Cisco Networking Academy in Programming Essentials in Python (2023)
- Certified by Cisco Networking Academy in Programming Essentials in JavaScript (2024)

Extracurricular Activities

- Member of Gardening Club in VIT-AP.
- Member of Newspaper Club in VIT-AP