JAJULA BALA VAISHNAVI

Computer Science Graduate

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SUMMARY

A genuine passion for development drives my enjoyment in build solving complex challenges. This enthusiasm fuels a commitment to delivering high-quality solutions while constantly expanding knowledge in modern technologies.

EDUCATION

NARAYANA Engineering College- Nellore

Bachelor of Engineering, Computer Science, 2023-present CGPA : 9.4

NARAYANA Junior College-Nellore

MPC 2021-2023 Completed with 97.2%

SREE TEJESWI HIGH School-Nellore

SSC 2020-2021 Completed with 100%

SKILLS

- **Languages:** Java, Python, C, PHP
- **Web Development:** HTML, CSS
- **Database:** MySQL
- **Tools:** Git, GitHub, VS Code,
- **Other:** Data Structures, OOP

SOFT SKILLS

- Problem-solving
- Team Collaboration
- Time Management
- Communication Skills

CERTIFICATIONS

- Oracle Certified in AI VECTOR
- IBM Certified in Python 101 for Data Science
- IBM Certified in SQL and Relational Databases

PROJECTS

Farmer Income Research & Strategy Presentation

Tech Stack: Python, ARIMA,LSTM, NumPy, Pandas, Matplotlib , Decision Trees

- Researched farmer income challenges such as volatility, hidden costs, and delayed payments through offline data collection.
- Collected insights from 15–20 real farmers to understand usability challenges, financial habits, and the practical impact of potential income-tracking solutions.
- Presented findings in a classroom project, showing potential to boost farmer income by 35% and improve climate recovery by 50%.

Front-End Based Game-Hub

Tech Stack: HTML, CSS, JavaScript

- Built a responsive Game Hub with HTML, CSS, and JavaScript, featuring six mini-games like Memory Match, Snake, and Tic Tac Toe.
- Implemented core game logic, animations, and event handling for interactive gameplay.
- Ensured smooth UI/UX with responsive design and device-friendly layouts

Monoalphabetic Cipher Page

Tech Stack: Java, JDK, MySQL

- Developed a secure Monoalphabetic Cipher system in Java for encrypting and decrypting text using substitution techniques.
- Ensured code modularity and efficiency through clean architecture and reusable methods.
- Enabled reliable text encryption with a focus on simplicity, scalability, and basic cryptographic principles

Full Stack Based Shopping Website

Tech Stack: HTML, CSS, JavaScript, PHP, MySQL

- Developed a responsive full-stack shopping website with an intuitive and user-friendly UI/UX.
- Integrated essential features: product listings, user authentication, and secure payment gateway.
- Delivered a modern, scalable, and secure e-commerce platform that enhances the online shopping experience, surpassing traditional retail systems.