BOLLA LAVANYA

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PROFESSIONAL SUMMARY

Aspiring Software Developer with a solid foundation in Computer Science Engineering. Proficient in Python, Web Development, and Database Management. Known for strong problem-solving skills, critical thinking, and the ability to collaborate effectively in team environments. Eager to apply technical and analytical skills in a dynamic and growth-oriented software development environment.

EDUCATION

Bachelor of Technology – Computer Science and Engineering (2020-2024)
R.V.R& J.C COLLEGE OF ENGINEERING
CGPA: 8.3

Intermediate-Board of Intermediate Education (2018-2020)
Sri Chaitanya Junior College
CGPA: 9.57

Class X-Board of Secondary Education (2017-2018)
Sri Chaitanya School
CGPA: 9.8

TECHNICAL SKILLS

Programming languages : Python
Python-concepts : Data structures, Loops, Functions, Decorators, Generator, OOPS
Database : MySQL
MySQL-concepts: Commands, Constraints, Clauses, Subqueries, Joins, Pre defined functions.
Frontend technologies : HTML,CSS,JAVASCRIPT,BootStrap
Frameworks : Django

PROJECTS

1.Title: Vegetable shop inventory and sales management system
Tools: Python, MySQL
Description: Built a console-based inventory and sales management system using Python. Included features such as inventory tracking, price updates, customer billing, profit calculation, and revenue reporting.
Responsibilities

- Planned, coded and tested the entire application independently.
- Conducted thorough testing and debugging to ensure application stability, accuracy, and user-friendly operation.
- Maintained clear, menu-driven user interfaces using formatted console output for a smooth user experience.

2. Title: Bank Management System

Tools: Python, MySQL (MySQL. Connector)
Description: Created a console-based bank management system in Python that interacts with a MySQL database to simulate core banking operations. The system supports user registration, authentication, account management, and transaction tracking for both admin and users.

Responsibilities

- Engineered backend logic using Python and integrated it with MySQL for persistent data storage.
- Applied input validation for secure user registration and authentication.
- Constructed optimized SQL queries to manage user accounts and transaction history effectively**.**

3. Title: Library Management System (CRUD Operations using Django)
Tools: Python, Django, SQLite/MySQL
Description: Implemented a web-based Library Management System using Django framework. The system implements full CRUD (Create, Read, Update, Delete) functionality for books, users, and transaction records via a structured web interface.

Responsibilities

- Built models, views, templates, and forms to enable CRUD operations.
- Managed backend development and database connectivity.

LINKS
1. https://www.linkedin.com/in/bolla-lavanya-349850232/
2. https://www.hackerrank.com/profile/bollalavanya9
3. https://github.com/bolla-lavanya

ACHIEVEMENTS
1. Got first prize in college-level technical quiz competition on Engineer's day
2. Organized and executed annual day and festival events with 200+ attendees

CERTIFICATIONS
1. HackerRank certification –Python
2. HackerRank certification –MYSQL
3. HackerRank certification –JavaScript
4. Microsoft certification in introduction to programming using Python.
5. HackerRank certification –CSS