SAIKAMALESH BOYINA

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Profile Summary

Tech enthusiast with strong skills in Python, Java, HTML/CSS, and machine learning frameworks. Experienced in developing web solutions, programming applications, and solving real-world problems through data-driven technologies. Proven ability to implement machine learning models and develop systematic solutions to optimize performance.

Education

Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam
B.Tech in Information Technology *2022 – 2026*
CGPA: 8.59/10.0

Sri Chaitanya Junior College, Visakhapatnam
Intermediate *2020 – 2022*
Percentage: 93.1%

Sri Chaitanya Techno School, Visakhapatnam
SSC *2019 – 2020*
Percentage: 94.5%

Technical Skills

Programming Languages: Java, SQL, Python
Web Development: HTML, CSS
Database Management: MySQL
Software Development: Object-Oriented Programming (OOP)
Tools and Libraries: Matplotlib, Scikit-learn, Pandas, Numpy
Certifications:

- NPTEL – Programming in Java
- CodeSoft - Virtual Internship

Work Experience

Python Programming Intern – CodeSoft *Apr 2024 – May 2024*

- Implemented a To-Do List application for managing tasks (add, remove, update, display).
- This Python program is a Rock, Paper, Scissors game where the user plays against the computer. It tracks scores across multiple rounds and lets the user decide whether to continue playing. The winner of each round is determined based on standard game rules.
- Demonstrated strong programming practices with clean, modular, and user-friendly solutions.

Projects

Bank Management System – Java

- Developed using Java Swing, the Bank Management System provided a user-friendly interface for core banking operations like login, signup, deposits, withdrawals, fast cash, balance enquiry, mini-statement, and PIN change.
- It connected to a MySQL database through a dedicated Conn class to securely manage all backend processes.

- User information entered during signup was stored across multiple tables such as `signup` and `login` for structured data management.
- All transactions, including deposits and withdrawals, were logged in the `bank` table, and the balance was dynamically computed by summing relevant entries.
- Features like balance enquiry, mini-statement, and PIN change directly interacted with the database to ensure data consistency and real-time updates.

House Price Prediction - Python

- Built a machine learning model to predict housing prices in Bangalore using a dataset with 4 features and 7,000+ records.
- Performed data cleaning, feature engineering, and one-hot encoding to handle categorical variables.
- Achieved 86% accuracy using Linear Regression, validated via cross-validation.
- Developed a custom price prediction function based on user input.
- Visualized feature relationships with matplotlib and ensured reproducibility with fixed random states.
- Designed the project using Jupyter Notebook for clarity and transparency.

Language

English
Hindi
Telugu