PENAKACHERLA LAKSHMI

128-04 Kammuru Village, Anathapuram, Andra Pradesh 515711

📞 9347526026 ✉ penakacherlalakshmi@gmail.com 🔗 linkedin.com/in/penakacherlalakshmi ⌗ github.com/lakshmi0205

Education

JNTU K University/IITS — Aug 2019 – May 2023
Bachelor of Technology in Computer Science and Engineering — *Markapuram, Andra Pradesh*

Intermediate — June 2017 – April 2019
MPC/AP Model Jr College — *Anathapuram, Andra Pradesh*

Experience

CATTAIN INTERNATIONAL SERVICES — March 2024 – Current
Reseacher Intern — *Benguluru, Karnataka*

- Developed a service to automatically perform a set of unit tests daily on a product in development in order to decrease time needed for team members to identify and fix bugs/issues.
- I used Python scripts in VS Code to aggregate MySQL database and Django test results into a structured format Additionally, I implemented scripts to load the latest build code onto hardware, enabling daily testing procedures.
- Utilized Azure to provide a continuous integration service in order to automate the entire process of loading the latest build code and test files, running the tests, and generating a report of the results once per day.
- Explored ways to visualize and send a daily report of test results to team members using HTML, JavaScript, and CSS.

Projects

Market Analysis and Business Opportunity | *Python, MySQL, Power Bi* — July 2023
* Developed Python scripts for automated data collection, cleaning, and analysis, supporting real-time business decision-making.
* Used SQL queries for large dataset analysis, identifying trends for strategic planning and optimization.
* Created interactive Power BI dashboards for clear data visualization and led market analysis projects to refine business strategies.

Banking Management System | *Python, MySQL,Django,HTML3,CSS5* — Agu 2023
* Developed a core banking software solution using Django, integrating Python for backend logic and MySQL for secure, scalable data management.
* Designed responsive and visually appealing front-end interfaces with HTML and CSS to enhance user experience.
* Collaborated on features including account creation, transaction processing, and reporting, contributing to successful project delivery.

Credit Card Fraud Detection Based on NLP | *Python, Vscode, Machine Learning,NLP,SQL* — Jan 2023
* Developed and implemented a credit card fraud detection system using machine learning algorithms, with a focus on Random Forest for classification tasks.
* Collected and preprocessed credit card datasets using NumPy and Pandas to create trained and testing datasets for algorithm training and evaluation.
* Applied Natural Language Processing (NLP) techniques to enhance data preprocessing and feature engineering, improving the accuracy of fraud detection models.
* Utilized Matplotlib for data visualization and statistical analysis, providing insights into fraud patterns and algorithm performance metrics .

Technical Skills

Languages: Python, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Pycharm Docker
Technologies/Frameworks: Django, Figma, Git/GitHub, Jira

AI Tools: ChatGPT,Gemini Ai

Certifications / Extracurricular

Python Full Stack — June 2023–Dec 2023
Course Complted at Besant Technologies — *Benguluru*

ChatGPT | *Course Complted at Great Learning* — Aug 2024