SHIYAM R

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SUMMARY

Python Developer specializing in advanced analytics and machine learning. Skilled in using data to make smart decisions and uncover valuable insights. Collaborates with diverse teams to create scalable solutions that enhance efficiency and drive business growth.

EDUCATION

SNS College of Engineering   **Nov 2021 - May 2025**

- Bachelor of Engineering in Computer Science and Technology │ Nov 2021 - May 2025 │ CGPA 8.4
- Minor Degree in Artificial Intelligence and Data Science │ Jan 2024 - May 2025

SKILLS

Programming Language : Python, SQL, JavaScript
Database / Tools : MySQL, Power BI, Git, Github, Google Colab
Libraries / Framework : OpenCV, Mediapipe, Keras, Tensorflow, Streamlit
AI Domains / Platforms : LLM, NLP, Hugging Face

EXPERIENCE

Data Analysis Intern, Cognifyz Technologies - Certificate   **Jan 2024 - Feb 2024**

- Improved data accuracy through rigorous cleaning processes and standardized 50,000+ records for consistent analysis.
- Created 10 new features from raw data, increasing the predictive power of machine learning models

Langchain Framework, Mindful AI - Certificate   **Jul 2023 - Aug 2023**

- Completed four assignments, improving model accuracy through fine-tuning and prompt engineering across various NLP tasks such as text classification and sentiment analysis.
- Developed a mini-project integrating eight different LLM models using the LangChain framework, enhancing the system's response accuracy and reducing latency.

ACADEMIC PROJECTS

AI Music Generator using Python - Link

- Utilized Mediapipe and OpenCV to detect user emotions with accuracy, enhancing personalized music recommendations.
- Employed Keras to train a music composition model, achieving user satisfaction by generating original music tailored to users' emotional states.

HR & Sales Insights Power BI Dashboard - Link

- Visualized employee performance and recruitment analytics, reducing time to hire and improving performance review accuracy.
- Analyzed sales performance and revenue forecasts, identifying a increase in quarterly sales growth opportunities.

Career AI - Link

- Utilized different LLMs to generate personalized career roadmaps and interview questions, improving user career preparedness.
- Enhanced user experience by integrating Text-to-Speech, increasing accessibility and engagement.

Excel Data Scraping (ChatGPT) - Link

- Leveraged RPA to automate the scraping process, reducing manual effort and enabling seamless integration with Excel for easy data management.
- Achieved accuracy rate in data scraping, significantly reducing errors and ensuring high data quality.

CERTIFICATES AND ACHIEVEMENTS

- Crash Course on Python │ Coursera │ 4 weeks │ Apr 2024
- Generative AI │ Coursera Google Cloud │ 4 weeks │ Feb 2024
- Data Analysis │ Free Code Camp │ 300hrs │ Feb 2024
- Machine Learning │ AWS │ 22 hrs │ Feb 2024
- 3rd place │ 48hrs ChatGPT Hackathon │ Apr 2023
- Best Performer │ Googlathon 2.0 │ Nov 2023

PUBLICATIONS

- AI-Driven Recruitment Management System │ ICIRD 2025 │ Apr 2025
- Published PowerBI Journal │ IJSART │ Feb 2024