RITIKA SHARMA

Software engineer

9729866751
Vikas Nagar, Panipat, Haryana
ritika2054@gmail.com
https://www.linkedin.com/in/ritika-sharma-08aa4b192/
https://github.com/11904452

Profile Info

Software Engineer with expertise in Python, FastAPI, and SQL. Knowledgeable in machine learning frameworks such as Keras and TensorFlow, along with libraries like scikit-learn. Strong background in statistics and data analytics. Can Communicate and coordinate well in a team for smooth operation. Can work well under time pressure and tight deadline.

Education Background

Bachelor of Technology in Computer Science
Lovely Professional University, Phagwara
Completed in 2023 | CGPA: 7.56

Higher Secondary Education
Sir Chhotu Ram Heritage School, Panipat, Haryana
Completed in 2018 | CGPA: 8.3

High School Education
Sir Chhotu Ram Heritage School, Panipat, Haryana
Completed in 2016 | CGPA: 10.0

Courses

Data Science Course includes Excel, Sql, Tableau, Machine Learning
Internshala Training(online) | sep 2023 - Present

Machine Learning With Python
Verzeo (online) | 2021

Programming With Python
Internshala Training (Online) | 2021

Languages

Hindi

English

Korean(Basic)

Work Experience

Software developer* | *Oges Software
March 2024 - Feb 2025

- Contributed to the development of the backend, completing the project using **FastAPI** and **routers**.
- Managed and optimized the **SQL** database to ensure efficient data handling and retrieval.
- Developed features to track and manage the loading and offloading of trucks, as well as monitor the entire vehicle journey.
- Implemented **Python scripts** to automate data processing and improve system efficiency.
- Used **Postman** for **API** testing and debugging, Reduced API response time by 30%, improving system efficiency.
- **Skills:** Python, FastAPI, SQL, Git, Postman, Data Analysis, Backend Development, API Development, Python Scripting.

Projects

Machine Learning model using various Classification Models to predict rainfall
Internshala Trainings | 2024

- **Overview**: Created a Machine Learning Model using various Classification Models including Decision Trees and Ensemble methods, and compared the accuracy of each model, used Scikit-Learn library.
- **Learning Outcomes:** Learned about preprocessing, outlier detection, and handling missing data. Improved model selection strategy. Learned about regularization and discover model can improve in future.

Diagnostic System for Detection and Classification of Maize Leaf Disease Using Deep Learning-Based Techniques
Lovely Professional University | 2023

- **Overview:** The web-based Deep learning Project for diseases detection of maize leaf images from village leaf dataset directory (on kaggle) using TensorFlow. For accuracy Pre-Processing and Augmentation is done. Project displays three outputs (disease classification as binary and multi, image segmentation) by using flask in python. To design the web page html, css is used and linked the trained model in Python using Flask.
- **Learning Outcomes:** Learned about research, data analysis, Gained knowledge of deep learning models. using frameworks like TensorFlow, and cleared the concept of data augmentation, learned about Teamwork.

Certifications

Certification of Advance Excel as part of data science consisted of Excel Basics, Data Visualization with Excel, Advanced Excel, and Final Project modules.
Internshala Training | 2023

Certification of Sql as part of data Science using PostgreSql including Final project module
Internshala Training | 2023

Paper Publication, A Study of Deep Learning Based Techniques for the detection of Maize Leaf Disease: A short Review, IEEE (Online Presentation)
Lovely Professional University | 2023

Skills

- Python
- MYSQL
- DSA (Data Structure And Algorithms)
- Machine Learning Algorithms
- Pandas, NumPy, Matplotlib, Seaborn
- Data Analysis
- Advance Excel
- OOP
- Git, Postman
- Statistics