Muhammad Saud Shakeel

Machine Learning Engineer

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EXPERIENCE:

Machine Learning Engineer (Full Time)   *July 2023 – Present*
LearNN, Peshawar, Pakistan

- Acquired in-depth knowledge of Machine Learning, Deep Learning, and Neural Network concepts through dedicated learning sessions
- Applied various Data Structures and Algorithms (DSA), optimizing their complexities for efficient problem-solving
- Executed hands-on Computer Vision projects utilizing PyTorch, demonstrating proficiency in the application of deep learning to visual data
- Trained and tested different Computer Vision models, enhancing expertise in image analysis and interpretation
- Deployment on Hugging Face using Gradio, showcasing the ability to make models accessible and usable
- Utilized BERT Language Model (LLM) for various Natural Language Processing (NLP) tasks, demonstrating proficiency in leveraging state-of-the-art models for text-based applications
- Worked extensively with transformers, employing transfer learning techniques to enhance model performance and efficiency
- Actively involved in the exploration and applications of MLOPS (Machine Learning Operations) concepts, emphasizing practical implementations in real-world scenarios

Data Scientist Internship (Remotely)   *August 2022 – October 2022*
Technocolabs, Indore, India

- Applied hands-on Data Science and Machine Learning techniques in real-world projects
- Collaborated within a team environment to ensure the successful completion of tasks and projects
- Demonstrated effective communication and presentation skills, fostering collaboration with team members and stakeholders
- Conducted data pre-processing, visualization, and exploratory data analysis to derive insights from raw data
- Engaged in the end-to-end process of model development, showcasing proficiency in constructing and refining machine learning models

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SKILLS:

Programming Languages – Python • C++

Technical – Pytorch • Sklearn • Docker • Hugging Face • Gradio • Git • Github • Pandas • Numpy • Seaborn • Matplotlib • Scipy • BeautifulSoup • SQL/MySQL • Sqlite3

Soft – Communications • Presentation • Team-Work • Self-Learning • Leadership

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PROJECTS:

- **Heart Disease**

Data Science and ML project based on Classification to classify the people suffering from heart disease

- **FashionMNIST**

Computer Vision Project based on Image Classification to classify different clothing accessories

- **FoodVision Mini App**

Computer Vision Project based on Image Classification to classify different food Items

- **Malicious Activity Detection and Analysis from Surveillance Videos**

Final Year Project based on object detection for the purpose of surveillance

CERTIFICATIONS:

Python is Easy – Pirple.com • Programming Essentials in Python – OPEN EDG • Data Science – Jawan Pakistan •

What is Data Science? – IBM • Tools for Data Science – IBM • Data Science methodology – IBM • Python for Data Science, AI

and Development – IBM • Python Project for Data Science • Databases and SQL for Data Science with Python •

Data Analysis with Python • Data Visualization with Python • Machine Learning with Python • Applied Data Science

Capstone

EDUCATION:

Bachelors of Science – Major Computer Systems Engineering   *September 2019 – June 2023*

University of Engineering and Technology, Peshawar, Pakistan

HONORS AND AWARDS:

SPORTS WEEK 2021
Won the best organizer award in the event held at University of Engineering and Technology, Peshawar, Pakistan

IGNITE 2023
Successfully organized the Tech event under the flag of Computer Society held at University of Engineering and Technology, Peshawar, Pakistan

PLACEMENT FAIR 2023
Successfully organized the event under the flag of Computer Society held at University of Engineering and Technology, Peshawar, Pakistan