Rashprit Kaur

rashpreetkaur2004@gmail.com
7081770707
LinkedIn: linkedin.com/in/rashpritkaur
C 14/160-19B2, Varanasi, Uttar Pradesh, 221010

Summary

ML professional with expertise in NLP, image classification, and predictive analytics. Proficient in TensorFlow, PyTorch, BERT, and EfficientNet. Skilled in multimodal AI, custom Keras callbacks, Docker deployments, and cloud optimization. Published researcher with experience in multilingual frameworks, feature engineering, and advanced regression for scalable AI solutions.

Skills

- **Programming Languages:** Python, C++, Java, C
- **Machine Learning Frameworks:** TensorFlow, Keras, Scikit-learn
- **Deep Learning:** Efficient Net, BERT, CNN
- **Natural Language Processing (NLP):** BERT, Cosine Similarity
- **Database Management:** MySQL, Oracle
- **Tools & Technologies:** Git, Docker, Jupyter, Google Colab
- **Other:** AI/ML, Time Management, Problem-Solving, Communication Skills

Education

B.E. (CSE-H) (AI&ML) (IBM) | Chandigarh University, Gharuan
Session: 2019-2023 | Score: **6.8 CGPA**
Intermediate (CBSE) | Dalimss Sunbeam School, Varanasi
Session: 2021-2022 | Percentage: **79.17%**
Matriculation (CBSE) | Dalimss Sunbeam School, Varanasi
Session: 2019-2020 | Percentage: **84.6%**

Experience

TEACHNOOK Internship

- Developed a Python-based time tracking app, boosting user productivity by 25%.
- Improved app performance with classification and regression algorithms, increasing accuracy by 15%.
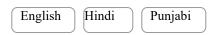- Gained hands-on AI experience by building two machine learning models.

Projects

Multilingual Plagiarism Detection System

- Designed and developed a **plagiarism detection system** using **BERT** model and **CORD-19 datasets**.
- Applied **cosine similarity** for multilingual text comparison, enhancing accuracy by **20% over baseline models**.
- Utilized **NLP** techniques for data preprocessing and improving text classification efficiency.

Wheat Leaf Disease Classification Using EfficientNetB3

- Developed an **image classification** model using **EfficientNetB3**, achieving a **95.12%** accuracy on test data.
- Applied **data augmentation** techniques and **feature extraction** to enhance the diversity of training datasets.
- Fine-tuned model using the **Adam optimizer** and **cross-entropy loss** to minimize overfitting and boost generalization.
- Demonstrated potential use cases of **AI in agriculture** for early disease detection and crop management.

Language

English | Hindi | Punjabi

Accomplishments

Published research paper on " **Advancing Wheat Leaf Disease Classification for Sustainable Agriculture Using Efficient Net** " in IEEE conference(accepted).

Published research paper on " **AUTOMATIC WASTE SEGREGATION USING SENSORS AND BOLTS** " in IEEE conference(accepted).

Certifications

Oracle Cloud Infrastructure 2024 Generative AI Certified Professional AI
Introduction to Big Data (San Diego UC)
Introduction to Big Data with Spark and Hadoop (IBM)
Machine Learning for All (University of London)