Raja Safi

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EDUCATION

IIIT VADODARA
B.TECH IN COMPUTER SCIENCE
2020-Present | Gandhinagar, India
CPI: 6.9/10.00

LINKS

Github:// **rajasafi**
LinkedIn:// **Raja Safi**
Kaggle:// **RAJA SAFI**

COURSEWORK

Data Structure And Algorithm
Artificial Intelligence
Operating Systems
Database Management System
Computer Networks
Machine Learning

SKILLS

LANGUAGES
• Java • Python • HTML5 • CSS • Bootstrap

TOOLS & LIBRARIES
•Numpy • Pandas • Scikit-learn • Data Visualization • NLTK • Power BI • TensorFlow

MISCELLANEOUS
• Git • AWS • Linux • LaTeX • Microsoft Visual Studio Code • Microsoft Office • Hadoop

DATABASE
•MySQL • No-SQL

DOMAIN KNOWLEDGE
• Data Science
• Machine Learning
• NLP Engineering
• Deep Learning
• Web Devlopment

STRENGHTS
• Lead a group of 5 peoples during Project.
• Eager to solve a new problem
• Openness to learning

EXPERIENCE:

CERVICAL SPINE FRACTURE DETECTION | Research Intern
Jan 2023 - july 2023

- 7-month research internship under Dr. Jignesh Bhatt.
- Focus on Predicting Cervical Spine Fracture Detection using neural network CNN.
- Initial predicting accuracy: 84
- Improve fracture detection accuracy on cervical spine CT-Scan.
- Achieved 95 to 97% predicting accuracy during summer internship Developed skills in medical image analysis and AI research.collaboration. – **CSFD-Link**

PROJECTS

DUPLICATE QUESTION PAIR DETECTION - QPS CODE-LINK

- Enhanced question similarity prediction accuracy to 89
- Implemented advanced feature engineering techniques and T-SNE feature selection, leading to a 6
- Developed a robust model with 23 features that outperformed alternative approaches, resulting in a 9
- Demonstrated superior performance in predicting question similarity, yielding a 25

MOVIE RECOMMENDER SYSTEM - MRS-LINK

- Developed a content-based movie recommender system with sentiment analysis for an enhanced user experience.
- Achieved personalized recommendations with 95
- Utilized a tech stack including recommendation systems, machine learning, natural language processing (NLP), and sentiment analysis. Created the frontend using HTML, CSS, and Bootstrap.

IMAGE CAPTIONING USING SSL - IC-SSL-LINK

- Achieved exceptional classification results USING SELF SUPERVISED LEARNING.
- Utilized only 10% of OpenImages dataset for fine-tuning.
- Optimized data with 100-epoch training and batch size of 32.
- Improved the pretext task with logistic regression and feature engineering, resulting in a 25% increase in accuracy for question similarity prediction.

ACHIEVEMENTS

RESEARCH UNDER TEACHING FACULTY

- **Predicting Cervical Spine Fracture Detection Using Deep Convolutional Neural Network (DCNN) based solution EfficientNet-V2 Model**
- Achieved a prediction accuracy of 95% to 97% during our Summer Internship program using the DCNN.
- **RESEARCH PAPER**