Shad Jamil

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Education

Department of Computer Science, University of Delhi — New Delhi, Delhi
MSc in Computer Science, 9 SGPA — *Aug. 2024 – Present*

Aryabhatta College, University of Delhi — New Delhi, Delhi
BSc (H) in Computer Science, 8.4 CGPA — *Aug. 2021 – May 2024*

Experience

Placement Co-ordinator — Nov 2024 – Present
Department of Computer Science — *University of Delhi, New Delhi*

- Organized alumni sessions to prepare the students for interviews and coding rounds.
- Effective communication with a collaborative approach to bridging the gap between students and the corporate world.
- Actively maintaining constant communication with HR professionals and alumni to explore and secure placement opportunities

Projects

ML-Based Diagnosis and Management of Pediatric Appedicitis

Python, Scikit-Learn, Numpy, Pandas, Seaborn, Matplotlib

* Developed a multimodal machine learning model using tabular clinical data and ultrasound images for pediatric appendicitis diagnosis and management.
* Applied data preprocessing, radiomics feature extraction, and feature selection techniques (PCA, Fisher's Score, Boruta, etc.)
* Trained and evaluated multiple ML models including XGBoost, LightGBM, Random Forest, achieving up to 99% AUROC for diagnosis and 100% AUROC for management prediction
* Used Explainable AI techniques (SHAP values) to interpret model outputs and identify key clinical features
* Proposed a hybrid approach that reduces manual interpretation in clinical diagnosis, enhancing automation and efficiency.

Sarcasm Detection in Code-Mixed Hinglish Tweets Using NLP and Deep Learning

Python, Scikit-Learn,Tensorflow, Numpy, Pandas, Seaborn

* Designed and implemented a sarcasm detection pipeline for code-mixed Hinglish tweets using advanced NLP techniques
* Performed data preprocessing including lemmatization and removal of custom Hinglish stopwords to handle linguistic noise
* Utilized Multilingual RoBERTa (mRoBERTa) for tweet vectorization, achieving superior performance compared to XLM-R and mBERT embeddings.
* Trained and evaluated multiple classifiers; Multilayer Perceptron (MLP) achieved the best performance with 98% accuracy

Technical Skills

Languages: Python, C/C++, SQL (MySQL), HTML/CSS
Frameworks: Flask, FastAPI
Libraries: Pandas, NumPy, Matplotlib, Tensorflow, PyTorch