DILSHA K P

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Profile

Assistant Professor in Computer Science at KMCT college of enginnering for emerging and technology specializing in computer science and enginnering . Focused on effective teaching and impactful research in computer science .

Professional Experience

Python Developer Intern   2023
Ociuz Infotech Pvt Ltd   Thrissur
- Gained hands-on experience in Python, Django, MySQL, and phpMyAdmin through active participation in live projects.
- Utilized MySQL and phpMyAdmin for database management and integration within project workflows.
- Applied soft skills in project management, creativity, and problem-solving to drive innovation and efficiency in project execution.

Education

M TECH | Computer Science   2022 – 2024
Government Engineering College Thrissur
CGPA - 8.27

B TECH | Information Technology   2018 – 2022
Government Engineering College Palakkad
CGPA - 6.66

Higher Secondary(CSE)   2016 – 2018
Technical Higher Secondary School Vattamkulam
80%

THSLC   2013 – 2016
Technical Higher Secondary School Vattamkulam
89%

Skills

Technical Skills
- C, C++, Python , HTML, CSS, Javascript
- Machine Learning
- Deep learning
- Object-Oriented Programming
- Database Management

Soft Skills
- Adaptability
- Time Management
- Critical Thinking
- Effective communication skills

Publications

Twitter Sentiment Analysis: A Comparative Study Between Convolutional-Bidirectional LSTM and GRU Networks

2nd International Conference on Recent Advancements in Engineering & Technology,ICORETech 2024

organized by LBS College of Engineering, Kasaragod.

A Deep Learning Approach to Image Reconstruction and Restoration
Hinweis Third International Conference on Advances in Software Engineering and Information Technology

Courses

Privacy And Security In Online Social Media
NPTEL, April 2023

DeepLearning.AI
Coursera, April 2022

Projects

A Deep Learning Approach to Image Reconstruction and Restoration
- Developed and implemented deep learning models, including Convolutional Autoencoder, Self-Attention Convolutional Autoencoder, and Multi-Head Attention Convolutional Autoencoder, for image reconstruction and restoration.
- Designed and trained these advanced neural network architectures to improve image quality and reduce noise.
- Evaluated model performance using various metrics and optimized hyperparameters to achieve better results.
- Utilized Python and libraries such as TensorFlow, Keras for model development and training.

Sentiment Analysis for Twitter Data using ConvBiLSTM & GRU Model
- Developed and implemented sentiment analysis models for Twitter data using ConvBiLSTM (Convolutional Bidirectional LSTM) and GRU (Gated Recurrent Unit) architectures.
- Preprocessed and cleaned large datasets of tweets to ensure high-quality input for model training.
- Designed and trained ConvBiLSTM and GRU models to capture temporal patterns and contextual information in tweets.
- Utilized Python and libraries such as TensorFlow, Keras, and NLTK for model development, training, and natural language processing.
- Evaluated model performance using various metrics such as accuracy, precision, recall, and F1-score to ensure robust sentiment classification.

POR & EXTRA CURRICULARS

- **Teaching Assistant,** C Programming & OOP Lab at GEC Thrissur 2022-24
- **Coordinator** of Dance Events Salvos'2020, GEC Palakkad
- **Volunteer**, Rural Innovators Meet , Annual Multi-Fest, GEC Palakkad,Invento 2020

Languages

- English, Malayalam,Tamil