

Yoganathan R Final Project



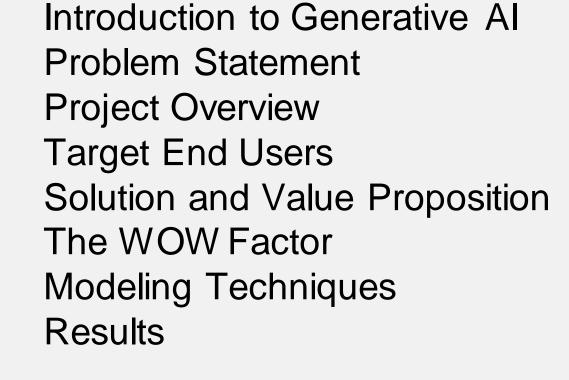
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Generative AI model for classification using CNN, RNN and ANN

Combining CNNs, RNNs, and ANNs in classification models offers comprehensive feature extraction, contextual understanding, model flexibility, improved performance, robustness to variability, transfer learning opportunities, and interpretability, enhancing accuracy and applicability across diverse tasks, from image recognition to natural language processing.

AGENDA





PROBLEM STATEMENT

Existing classification models often face challenges in comprehensive feature extraction, leading to limitations in adaptability across diverse data types and contexts.

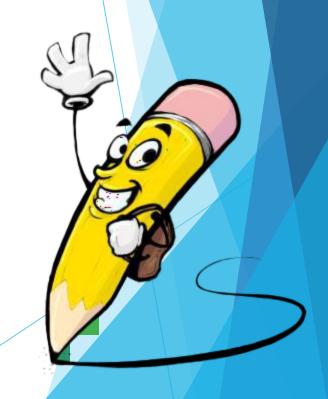
These limitations result in reduced accuracy and performance, hindering the effectiveness of classification tasks in real-world scenarios.



PROJECT OVERVIEW

This project aims to tackle this challenge by developing an advanced generative AI model for classification tasks.

By integrating Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and Artificial Neural Networks (ANNs), we seek to enhance feature extraction and contextual understanding, thereby improving classification accuracy and flexibility.



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WHO ARE THE END USERS?

Media and Entertainment Companies
Content Creators and Writers
E-commerce Platforms
Legal and Financial Services
Education and Training Institutions
Healthcare Providers
Marketing and Advertising Agencies

YOUR SOLUTION AND ITS VALUE PROPOSITION



This generative AI model offers a revolutionary solution, providing unmatched accuracy, adaptability, and interpretability in classification tasks.

By leveraging the combined strengths of CNNs, RNNs, and ANNs, this model empowers users to derive meaningful insights and make informed decisions from complex datasets, ultimately driving efficiency and innovation.

THE WOW IN YOUR SOLUTION



What sets this model apart is its seamless integration of multiple neural network architectures, resulting in groundbreaking performance that surpasses traditional approaches.



With superior accuracy, versatility, and scalability, the model sets new standards in classification, enabling users to tackle complex problems with confidence and precision.

MODELLING

Modeling Techniques:

The solution utilizes a combination of advanced generative models, including:

CNNs for spatial feature extraction

RNNs for sequential pattern recognition

ANNs for generalization

Generative Adversarial Networks (GANs)

RESULTS

Through rigorous experimentation and evaluation, this generative AI model has demonstrated remarkable improvements in classification accuracy across diverse datasets.

Outperforming conventional methods, the model has established itself as a state-of-the-art solution, offering tangible benefits and insights for various real-world applications.

Video Link