Chris Vinson Kunnankada

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SKILLS

Languages: Python, Java, C, SQL, HTML
Developer Tools: VSCode, MySQL, Git, Eclipse, Power BI, AWS

WORK EXPERIENCE

Xceedance Consulting India. Pvt. Ltd   Bengaluru, KA
Intern : Associate Programmer, Data and Modelling Products   February 2024 – June 2024
- Develop and refine scripts to generate dummy exposure data consisting of vulnerability data and risk profiling of a given number of location points extracted based on distribution entered by the user.
- Ensure efficiency of script to generate portfolio of exposure data of the magnitude of 5 to 10 GB in reasonable time frames.
- Develop front end interface to allow easier dynamic generation of exposure data portfolio from input distribution.
- Technologies and libraries used : Python, risk profiling APIs, GeoJSON, GeoPandas, Matplotlib

PROJECTS

Communication Platform with Enhanced Accessibility Features   Aug 2023 - May 2024
- Developed a communication platform with features such as real-time sign language detection, AAC board functionality and video color correction to improve accessibility for users with disabilities.
- Utilized various open source machine learning models to implement the functionalities of the accessibility features. For example, BERT was leveraged to implement the various text generation functionalities needed for the sign language detection and AAC board.
- Libraries and tools used: TensorFlow, Keras, NumPy, OpenCV

Music Generation using LSTM   Apr 2023 - Jun 2023
- Developed an LSTM deep learning model to generate original music sequences based on selected mood values.
- Utilized the Lakh Midi open source dataset for training the model on musical sequences.
- Used various musical characteristics such as pitch, step and duration as parameters for the model to make predictions. Mood based music characteristics such as pitch bias, duration scale and tempo were incorporated into the predictions.
- Libraries used : Keras Tensorflow, NumPy, Pandas, pretty_midi

EDUCATION

New Horizon College of Engineering   Completed : 2024
Bachelor of Engineering in Artificial Intelligence and Machine Learning (AIML)
CGPA: 9.41/10

Karnataka State Pre-University Course (PUC)   Completed : 2020
Percentage: 83.83 %

Indian Certificate of Secondary Education (ICSE)   Completed : 2018
Percentage: 94 %

CERTIFICATIONS

- Introduction to Machine Learning, NPTEL
- Introduction to Cloud, IBM
- Introduction to Cyber Security, Cisco

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge.
Date : 10/09/2024