Ashwin B

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EDUCATION

SASTRA Deemed University **2020-2024**
B.Tech CSE 7.33 as on 6th sem

TECHNICAL SKILLS

Languages: Python, MySQL, JavaScript
Frameworks and Libraries: TensorFlow, Keras, Scikit-learn, Pandas, PySpark, Numpy, Matplotlib, Ns2
Data Visualization Tools: Power BI
Cloud technologies: Azure Databricks, Azure Blob Storage

WORK EXPERIENCE AND CERTIFICATIONS

Data science Intern, Geons Logix **May 2023-July 2023**

During my internship, I successfully undertook projects involving classification tasks using MNIST dataset. These projects encompassed tasks such as recognizing numbers, and fashion items.

- Nptel Certification on Python for Data science
- Certification course on Data science from Acmegrade
- Workshop on basics of Microsoft Azure services

Projects

● **Clinical data warehouse Analysis and Architecture using Microsoft Azure Services and Microsoft Power BI**

The synthesized data comprising patient diseases, their locality, and their age was collected. I cleansed them and structured it within a Warehouse, employing an ETL pipeline using Microsoft Azure Services. The coding part was managed through Databricks. For visualization, I created visualizations depicting Disease spread across various regions, city-specific polio vaccination rates, and other related insights using Microsoft Power BI tool.

● **EMNIST alphabet classifier using CNN**

The pre-available EMNIST dataset containing alphabets is utilized. Then the pixel normalization is applied to standardize the pixel values. Then the Convolutional Neural Network model is built. The coding part was managed through Colab Google. The dataset is trained within the model and evaluated. Then the outcomes of the evaluation are recorded for analysis.

Tools : Tensorflow, Scikit-learn, Pandas, Numpy, Matplotlib

● **MNIST number and fashion classifier using ANN**

The pre-available MNIST dataset containing (0-9) digits and fashion items is utilized. Then the pixel normalization is applied to standardize the pixel values. Then the Artificial Neural Network model is built. The coding part was managed through Colab Google. The dataset is trained within the model and evaluated. Then the outcomes of the evaluation are recorded for analysis.

Tools : Tensorflow, Scikit-learn, Pandas, Numpy, Matplotlib

Positions of responsibility

- Member of University Photography team
- Wildlife Photography Instructor