

DHARMIK R. JOSHI

Data Science | ML | AI | DL

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DOB : 27th December 2000

EXPERIENCE

Data Science Research Associate/Intern | Elite Techno Groups **May 2021 - July 2021**

- Collaborated with Data Science industry experts to design and develop a Master Course in Data Science.
- Conceived the study and devised project plans alongside the CEO in the successful implementation of knowledge from domains like ML, AI and Data Science into a concise Nanodegree Programme.
- Managed students and carried our project and doubt solving sessions for students and provided guidance towards their project implementation.

Data Science Intern | Dezignolics Pvt. Ltd **Feb 2021 - March 2021**

- Devised a Linear Regression model which was able to determine the coefficient values of different attributes in the customers dataset and their respective impact in sales.
- Performed EDA on the Ecommerce Customers dataset using Seaborn library as a visualization medium.
- Created a model based on housing dataset that predicts the price of the house taking into consideration coefficient values of parameters relevant to the prediction.

Data Science Intern | The Sparks Foundation **May 2021 - June 2021**

- Performed Exploratory Data Analysis on the Global Terrorism dataset and grabbed insights from the data.
- Implemented a highly detailed visual element to the insights and connections from the data using Tableau 2021.1.2.

PROJECTS

Mammographic Breast Density Classification (Research Project) **Sept 2021**

- Undertook extensive literature review of the Project related Research papers along with a team of 5 as a team head.
- Worked towards developing a novel algorithm to classify breast density of mammograms according to BIRADS.
- Extracted features and trained the modified DenseNet model using different views in mammograms from the DDSM dataset.

Speech Emotion Recognition **March 2021**

- Cleaned and applied masking and Down Sampling to the Ravdess dataset which increased prediction accuracy by 20%. Extracted audio attributes like MFCC, CHROMA and MEL from the cleaned dataset.
- Developed and deployed a ML Perceptron with adaptive learning rate ,300 hidden layers and accuracy of 79.16%.
- Deployed the model to live audio recorded which then predicts the emotion of the person speaking.

Optimum Path Finder using NavMesh

Jan 2019

- Created an elaborate 3D environment complete with x, y and z axes and a 3D body representing the entity using the Unity Engine.
- Applied NavMesh to this environment and entity combined with Rigidbody physics attributes.
- Found the optimum path between two points using the Navmesh AI and RayCasting coordinates.

DRJMessenger - Android Messaging App

April 2021

- Developed an Android messaging app with google Firebase implementation for user data storage and content backup.
- Applied Random Character Encoding to save user profiles for security.
- Used Kotlin as a base language and XML for the UI elements and animations.

COURSES & CERTIFICATES

- IBM Professional Data Science Certificate(IBM)
- ML & AI Course(Uni of Arkansas at Little Rock,US)
- R- Programming (IBM)
- SQL Certification Course(progate.com)
- Deep Learning Bootcamp (Udemy)
- Android Development using KOTLIN
- Python for Data Science (Udemy)
- Satellite & Telecom DataAnalysis(BSNL)
- JAVA Certification course (progate.com)
- Data Science Fundamentals (IBM)

EDUCATION

Bachelor of Engineering in Computer Engineering |

Aug'18 - May'22

Vishwaniketan Institute of Management Entrepreneurship and Engineering Technology

- Specialization Path - Machine Learning and Artificial Intelligence
- Aggregate CGPA - 8.1

12th (HSC - Science) | S. K. Somaiya College

Aug'16 - April'18

- Vocational Subject - Computer Science
- Acquired Percentage - 82%

SKILLS

Languages | Python, JAVA , C, C++, Kotlin, JavaScript, CSS3, HTML5.

Frameworks | Tensorflow, Keras, PyTorch.

Softwares | Visual Studio Code, Tableau, JupyterLab, RStudio, Android Studio.

Domains | Data Science, Machine Learning, Deep Learning, Android Development.

Language | English, Spanish, Hindi, Gujarati, Marathi. |

Fluency

INTERESTS

- Augmented Reality | Virtual Reality
- Programming
- Android Development

HOBBIES

- Travelling
- Music (Piano)
- Camping / Trekking