

Divyajeet Pala

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EDUCATION

MARWADI UNIVERSITY

B.TECH IN COMPUTER ENG. AI

2019 - 2023 | Rajkot, Gujarat

College of Engineering

Cum. GPA: 9.11 / 10.0

SNK

SCHOOL

2019 | Rajkot, Gujarat

PCME percentage: 89.25%

LINKS

Portfolio: [//divyajeetpala.com](https://divyajeetpala.com)

Github: [//divpala1](https://github.com/divpala1)

LinkedIn: [//divyajeet-pala](https://www.linkedin.com/in/divyajeet-pala)

E-mail: [//divyajeetpala@gmail.com](mailto:divyajeetpala@gmail.com)

COURSEWORK

UNDER GRADUATE

Machine Learning

Software Engineering

Block Chain

Image Processing

Artificial Intelligence

Numerical Methods with Python

Discrete Mathematics and Graph Theory

Probability and Statistics

Matrix Algebra and Vector Calculus

Differential and Integral Calculus

Data Structures

SKILLS

CONFIDENT

Python • C++ • AWS S3 • React JS •

Firebase

FAMILIAR

AWS EC2 • Django • Java • C • MySQL

Flask • HTML • CSS

HOBBIES

PAINTING

Making realistic and anime-based portraits.

Instagram page: [insta.com/heart.of.d](https://www.instagram.com/heart.of.d)

READING

Liking inclined towards spiritual texts and novels.

PROJECTS

MULTI DISEASE DETECTOR | DEEP LEARNING | MACHINE LEARNING

- Developed a website hosted on **AWS EC2 instance** to detect either of the three diseases namely, Covid-19, Cervical Cancer, and Cardiovascular Disease.
- Implemented a **Neural Network** for the detection of Covid-19 while storing the images in organized manner on **AWS S3**, and Machine Learning models for Cervical Cancer and Cardiovascular Disease detection.
- Tech-stack:
 - Languages: **Python**, HTML, CSS
 - Tags: **Amazon Web Services**, AWS EC2, AWS S3, Neural Network, Deep Learning, Image Processing, **Django**, **Convolutional Neural Network**, Machine Learning, XGBoost

AMAZON CLONE WITH PERSONALISED RECOMMENDATIONS | ML AND REACT JS

Deployed link: <https://resume-b9540.web.app/>

- Deployed a responsive amazon clone using **React JS** with an integrated **recommendation system** which provides **personalised recommendations**.
- Tech-stack:
 - Languages: **React JS**, **Python**, HTML, CSS
 - Tags: Pandas, Firebase, Firestore, Flask, Collaborative Filtering, Mathematics, Machine Learning

MELODY GENERATOR | DEEP LEARNING | TIME SERIES FORECASTING

Deployed link: <https://dl-melody-generator.herokuapp.com/>

- Implemented a **Recurrent Neural Network System** which generates a unique melody sequence.
- System demonstrates a **test accuracy** of **92.23%**.
- Key observation(s)**: Model is able to understand the underlying patterns and trends of the music, and key-concepts like tonic notes, key, time signature, etc.
- Tech-stack:
 - Languages: **Python**, HTML, CSS
 - Tags: **Tensorflow**, Time Series Manipulation, LSTM, RNN

ACHIEVEMENT

- MYSY Scholarship** receiver for 4 consecutive years.

CERTIFICATES

2022	Johns Hopkins University	HTML, CSS, and Javascript for Web Dev.
2022	DeepLearning.AI	Neural Networks and Deep Learning
2022	DeepLearning.AI	NLP with Classification and Vector Spaces
2020	RICE University	Python Specialization
2019	Microsoft	Microsoft Technology Associate