SHUBHAM BHUT

Data Analytics and Machine Learning Enthusiast

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PROJECTS

Generative AI
RBM image generative model
🔗 https://github.com/ShubhamBhut/Generative-RBM-model

- Customizable Restricted Boltzmann Machine Generative model created from scratch with NumPy. It is trained to generate images of hand written digits just like in MNIST dataset.
- Tech Stack: Python, Numpy, Pandas, Matplotlib, PyTorch

Project Insight
Visualized analytics of Project Pantheon by MIT
🔗 https://github.com/ShubhamBhut/Project-Insight

- Classified the data of 1300+ historic figures into 6 different Eras (timelines) and analyzed each figure with suitable plots using Seaborn & Matplotlib. Currently the most detailed analysis of this data on Kaggle.
- Tech Stack: Python, Numpy, Pandas, Matplotlib, Seaborn

Hand written digit Recognition
Neural Network Model using Python
🔗 https://github.com/ShubhamBhut/Hand-written-Digit-recognition

- Built a 3 layer neural network from scratch using Python with a clean architecture and no frameworks. Optimized the model to a 92% accuracy without any regularization.
- Tech Stack: Python, Numpy, Pandas

EXPERIENCE

Co-Founder
Paintsbrush.org
📅 May 2021 – Oct 2021

- Paintbrush was an Indian startup with aim to promote Indian arts and with E-Commerce business model
- As the Co-Founder, recruited and managed more than 30 artists for the platform, handled 2 social media pages and managed the E-Commerce website.

ACHIEVEMENTS

National Winner and State Winner - English Smart
Aloha India
📅 National-2015 and State-2015, 2017

Scholarship Winner
GSEB - Prakharta Kasoti
📅 2014

EDUCATION

B.Tech in Mechanical Engineering
NIT Kurukshetra　**CGPA-9.43**
📅 2020 – 2024

TECHNICAL-SKILLS

- Programming

Machine learning | Python | PyTorch
TensorFlow | OpenCV | ScikitLearn
Data Structures and Algorithms | C++
NumPy | Pandas | Matplotlib | MySQL
NextJS | ReactJS | HTML | CSS | Git
Linux | Solidity

- Mechanical

Machine Design | Solidworks
MATLAB

- Other tools

PowerBI | MS Excel | MS Powerpoint

SOFT-SKILLS

Communication | Problem-Solving
Professionalism | Management
Multi-tasking | Team Work | Elocution

CERTIFICATES

Neural Networks and Deep Learning
DeepLearning.ai - Coursera
📅 Jun 2022 – No Expiration Date

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
DeepLearning.ai - Coursera
📅 July 2022 – No Expiration Date

MATLAB Onramp
Mathworks
📅 April 2022 – No Expiration Date