Jaivanti Dhokey

To Pursue career in Data Science research, ought to give complete dedication and contribute something to the field, society and myself.

LINKS

LINKEDIN:
https://in.linkedin.com/in/jaivanti-dhokey-91b182194
GITHUB:
https://github.com/jaivanti
GMAIL: jaivanti.dhokey@gmail.com

EXPERIENCE

Center of Excellence in complex and Non-linear Dynamic lab (CoE-CNDs), VJTI— Student Research Assistant

NOVEMBER 2019 - PRESENT

- Working on a research related to ML based network anomaly detection on ICS-SCADA network using network traffic datasets.

The Hongkong University of Science and Technology, Hong Kong(SAR)— Student Research Intern

SEPTEMBER 2020 - PRESENT

- Working on methods to improve Federated learning techniques to improve communication efficiency.

Utkarshini Edutech— Python Developer

JULY 2020 - SEPTEMBER 2020

- Developed models on Convolution neural networks and presented a report with code explanation.
- Constructed Digit Recognition system using MNIST datasets achieving accuracy of 98% with a simple code structure.
- Worked on Image Classification using CIFAR-10 datasets and Image Super resolution, using CNN with precise and simple code.

Precify— IOT Sensors Consultant

MAY 2020 - JUNE 2020

- Performed a broad research on various ambient temperature and humidity IOT sensors.
- Congregated the scrutinized details of each sensor along with specifications like noise level, signal amplification and temperature ranges.
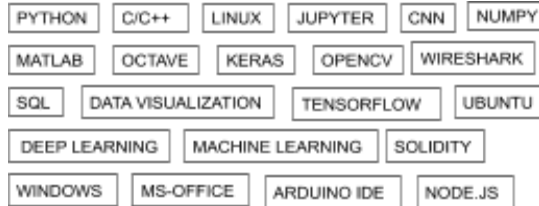- Consulted the personnel to consider sensors respective to their preference of manoeuvre.

SKILLS

PYTHON | C/C++ | LINUX | JUPYTER | CNN | NUMPY
MATLAB | OCTAVE | KERAS | OPENCV | WIRESHARK
SQL | DATA VISUALIZATION | TENSORFLOW | UBUNTU
DEEP LEARNING | MACHINE LEARNING | SOLIDITY
WINDOWS | MS-OFFICE | ARDUINO IDE | NODE.JS

EDUCATION

Veermata Jijabai Technological Institute(VJTI), Mumbai

BTech Production Engineering with Minor in Computer Science
2018 - 2022 | CGPA: 8.25/10.

D.G Ruparel College, Mumbai

Grad. April 2018| Mumbai, India
2016 - 2018 | XII STD/ HIGH SCHOOL: 83%

Apostolic Carmel high School, Mumbai

Grad. June 2016| Mumbai, India
X STD/SECONDARY SCHOOL: 90%

COURSEWORK

- **Basic Programming skills**
- **Data structure and Algorithms**
- **Probability and Statistics**
- **DBMS**
- **Machine Learning by AndrewNG**
- **Deep Learning Specialization**
- **Google Analytics**
- **Tensorflow Specialization**
- **Optimization Techniques**
- **Economics, Costing and Finance**

RESEARCH INTEREST

- Supervised Classification neural networks
- Deep Learning
- Machine Learning
- NLP

ACHIEVEMENTS

*National Finalist at CreaTech, L&T

Out of 500 teams all over India, my team got selected in top 9 for presenting innovative solutions to the waste heat problem.

*Selected in HackMIT'20 Hackathon

Massachusetts Institute of Technology, USA.

PROJECTS

Handwritten Digit Classifier using MNIST datasets.

- Utilization of ConvNets and python libraries, thus achieving the model accuracy of 97% with an epoch size of 10.
- Further visualizing the model through graphs of epoch and accuracy.

Image Classification using CIFAR-10

- Presenting a simple architecture of image classification using CNN and achieving accuracy of 72% with epoch size of 15 and accuracy of 92% with an epoch size of 400.

Image Super Resolution using CNN

- Indagated the model through random images using convolution neural networks and degraded their image quality.
- Converted the Low resolution images into super resolution. Compared and measured the quality metrics of both the images.

Anomaly Detection on S&P-500

- Built a LSTM Autoencoder in Keras and created interactive plots with plotly and seaborn.Thus, detected anomalies with autoencoders in time series data.

Image Compression using K-Means Clustering algorithm

- Studied the K-Means Clustering algorithm and applied it with scikit-learn library to compress images on a jupyter notebook.

TRAINING & WORKSHOPS

- Deep Learning for Automated Medical Image Analysis: Hosted by MedHacks, John Hopkins University.
- Data Analysis and Deep learning for Health/Life/Bio Sciences: Hosted by MathWorks.
- Artificial Intelligence based Panel talk:Spoken by the CEO's of Fluid AI, Stride.Ai, Star India, Reliance Jio and YES Bank & Hosted by VJTI, India
- Low Voltage AC Drives: Hosted by L&T Switchgear and Training centre.

POSTS OF RESPONSIBILITY

- Chief Sponsorship Officer-Technovanza, VJTI
- Corporate Relations Executive-Technovanza, VJTI
- ML domain Student Member-Google DSC, VJTI
- R&D Member-IEEE, VJTI
- Club Facilitator-Girls Who Code HQ club.
- Chief senior editor- Debate and Literary Arts Society, VJTI.

VOLUNTEERING

- LightHouse Project: Worked as a mentor to educate students from underprivileged backgrounds in career related skills and life skills.
- Youth Empowerment Foundation: Worked as a student Fundraiser to raise funds for the development of people from underprivileged backgrounds.
- ISRO-Indian Space Research Organisation: Worked as a student volunteer in ISRO exhibition; helped the students explore various astro-models and managed 80,000 multilingual attendees.