Deep Gandhi

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EDUCATION

Dwarkadas J. Sanghvi College of Engineering (University of Mumbai)
B.E. in Computer Engineering
CGPA: 9.38/10.0
2018 - 2022
Discrete Mathematics, Applied Mathematics, Machine Learning, Data Mining, Database Management,Analysis of Algorithms, Data Structures

LINKS

Github:// @deep1401
LinkedIn:// @deep1401
Google Scholar:// @deep1401

SKILLS

Programming

Python | R
Javascript | C | C++
HTML | CSS

Deep Learning & Private AI

PyTorch | fast.ai | Opacus
PySyft | Flower

Machine Learning

Pandas | NumPy
SciPy | scikit-learn
Matplotlib | Bokeh | Seaborn
Altair | Streamlit | Dask
ggplot | dplyr | Shiny

Web

Flask | FastAPI
Node.js | Express.js
MongoDB | SQL | Redis

Cloud

Heroku | AWS | Azure

Others

Git | Github
Vim | Shell | Bash

WORK EXPERIENCE

Dwarkadas J. Sanghvi College of Engineering
Undergraduate Research Assistant | January 2021– June 2021
Worked under Dr. Ramchandra Mangrulkar for 6th semester and successfully published 2 chapters for CRC Press in the domains of Federated Learning and Natural Language Processing

Margosatree Technologies
Freelance Python Developer | January 2020–January 2021
Worked as a freelancer on many projects.Built the backend of an app for a company called Syscon Automation which was later used on a large scale internally within the company. Was also responsible for a few other projects in the domain of Machine Learning and DevOps.

Levyne
Machine Learning Engineer | February 2020–May 2020
Built the complete data analysis platform for the marketing team in order to track and visualize leads. Along with this, I was responsible for building a chatbot using nltk for customer interaction and also a recommendation system for the platform using fast.ai.

Feople Org
Data Analyst | January 2019–September 2019
Assisted various FnB clients with their pricing strategy. I was the tech lead and was personally responsible for the development of a recommender system and a dynamic pricing strategy of a restaurant client using various Machine Learning techniques

PROJECTS

Component Life Detection
Built a predictive model for an automotive component part failure for a Big 4 consultancy firm under the guidance of *Dr. Kriti Srivasatava*.

Lead Prioritization Engine
Built a Lead Prioritization Engine which can be plugged into a website and thus, provide valuable business insights and improve lead conversion ratios by 45% using smart consumer filtering.

Youtube Genie
A chrome extension built using NLP for question answering of content from a YouTube video.

Vidalytics
A video analytics solutions for all the content creating companies which generates important keywords based on the video uploaded and then provides useful social media links after data mining for marketing the content and also conduct EDA for target markets.

ACHIEVEMENTS

- Top 3 at JPMC's Code for Good 2020
- Inspire Scholarship, **Top 1% candidates** in Higher Secondary Certificate (12th Grade), 2018
- Runner up at Hackscript 1.0
- Graduated Y Combinator's Startup School 2019
- Top 10 at HERE Maps Hackathon 2019
- Top 8 at DJACM LoC 2020
- Top 48 teams in the state for Project Deep Blue 2019
- Member of the only sophomore year team selected for Smart India Hackathon 2020 from college

PUBLICATIONS

[1] Deep Gandhi, Govind Thakur, Pranit Bari, and Khushali Deulkar. Application of deep learning in cartography using unet and generative adversarial network. In *Design of Intelligent Applications using Machine Learning and Deep Learning Techniques*, chapter 18. CRC Press (Taylor and Francis), 2021.

[2] Deep Gandhi, Jash Mehta, and Dr.Ramchandra Mangrulkar. Detection of spear phishing using natural language processing. In *Cyber Security Threats and Challenges facing Human Life*. CRC Press (Taylor and Francis), Accepted.

[3] Deep Gandhi, Jash Mehta, Naitik Rathod, and Sudhir Bagul. Low resource language processing and sentiment analysis for hindi text. In *The 6th Workshop on Representation Learning for NLP*. ACL 2021, Under Review.

[4] Deep Gandhi, Jash Mehta, Nemil Shah, and Dr.Ramchandra Mangrulkar. Federated learning for brain tumor segmentation on cloud. In *Cloud Computing Technologies for Smart Agriculture and Healthcare*, chapter 17. CRC Press (Taylor and Francis), Accepted.

[5] Deep Gandhi, Jash Mehta, and Pranit Bari. Comparison of sequential and non-sequential models for spanish to english machine translation. In *4th International Conference on Computational Intelligence and Data Engineering*, Under Review.

[6] Jash Mehta, Deep Gandhi, Govind Thakur, and Pratik Kanani. Music genre classification using transfer learning on log-based mel spectrogram. In *2021 5th International Conference on Computing Methodologies and Communication (ICCMC)*, pages 1101–1107. IEEE, 2021.