DEEP GANDHI

deep1401.github.io
(+91)-9757199266 thisisdeepgandhi@gmail.com

EDUCATION

Dwarkadas J. Sanghvi College of Engineering *May 2018 - Present*
(Mumbai University) Overall GPA: 9.38/10
BE in Computer Engineering

Applied Mathematics, Discrete Mathematics, Machine Learning, Data Mining, Database Management, Analysis of Algorithms, Data Structures

PROFESSIONAL EXPERIENCE

JP Morgan Chase & Co. June 2021 - Present
Summer Intern *Internship*

· Working in the Corporate and Investment Banking Team.

Dwarkadas J. Sanghvi College of Engineering Jan 2021 - June 2021
Undergraduate Research Assistant *Advisor: Dr.Ramchandra Mangrulkar*

· Made a project dealing with the application of Federated Learning for highly sensitive medical data.
· Worked on a research project to identify Spear Phishing using low computational NLP approaches.
· Published 2 chapters for CRC Press in the domains of Federated Learning and Natural Language Processing.

Margosatree Technologies Jan 2020 - Jan 2021
Freelance Python Developer *Part Time*

· Developed dashboard for a Syscon Automation to display dynamic data coming from the manufacturing process and providing useful insights on the same.
· This was later used on a large scale internally within the company
· Worked on a diverse array of client and internal projects like an clustering Jupyter clients using Apache and dynamic report generation for a quarter.

Levyne Feb 2020 - May 2020
Machine Learning Engineer *Internship*

· Built the complete data analysis platform for the marketing team in order to track and visualize leads.
· I was responsible for building a chatbot using nltk for customer interaction.
· Developed a recommendation system for the platform using fast.ai and PyTorch.

Feople Org Jan 2019 - Sept 2019
Data Analyst *Part Time*

· Assisted various FnB clients with their pricing strategy.
· Acted as 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

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*, ch. 18, CRC Press (Taylor and Francis), 2021.

[2] **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*, ch. 17, CRC Press (Taylor and Francis), Accepted.

[3] **Deep Gandhi***, Jash Mehta*, Naitik Rathod, and Sudhir Bagul, "Low resource language processing and opinion mining on hindi text," in *The SIGNLL Conference on Computational Natural Language Learning (CoNLL)*, EMNLP 2021, Under Review.

[4] **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.

[5] 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)*, pp. 1101–1107, IEEE, 2021.

[6] **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.

TECHNICAL STRENGTHS

Languages	Python, R, Javascript, HTML, CSS, C, C++
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, Azure, AWS
Others	Git, Github, Vim, Shell, Bash, LaTeX

ACHIEVEMENTS

Awarded Inspire Scholarship, **Top 1%** candidates in Higher Secondary Certificate (12th Grade), 2018

Top 3 at JPMC's Code for Good 2020

Top 48 teams in the state for Project Deep Blue 2019

Built predictive model for automotive component part failure for a **Big 4 consultancy firm** under *Dr.Kriti Srivasatava.*

Member of the **only sophomore team** selected for Smart India Hackathon 2020 from college

CO-CURRICULAR ACTIVITIES

Teaching Assistant for an undergrad level Machine Learning Course - UMLSC, Summer 2021.

Part of **Shalizi–Stats reading group** led by Swapneel Mehta which focuses on the book *Advanced Data Analysis from an Elementary Point of View* and Bayesian Statistics taught by Fenil Doshi

Presented various *paper reviews* as a part of the **Unicode Research Group** on the topics of Probabilistic Programming.