

HARSHAL PANCHAL

University Student

Thorough and meticulous Data Science passionate about helping businesses succeed. Former small business owner & Freelancer. Possessing strong technical skills rooted in substantial training as an IT engineer.

SKILLS

- Ability to learn fast
- SQL
- Python
- NumPy, Pandas, Sklearn, Keras
- Matplotlib, Scikit, NLTK
- Seaborn
- Webscraping
- R
- Tableau
- GitHub
- Advanced Microsoft Excel functions
- Pattern, trend & KPI identification
- Relational databases (MySQL)
- Data mining & Data QA
- Problem-solving & troubleshooting
- Critical Thinking
- Machine Learning Algo (Regression, Apriori, Classification, etc)

WORK EXPERIENCE

Reach Technologies

Data Scientist & Python Developer Intern

Feb 2022 - Present

- Web scraped data from various project relevant websites.
- Using several advanced approaches, I cleaned and formatted dataset in MySQL and Excel.
- I visualized many crucial findings and effectively in Tableau and presented them to the Subject Matter Expert.
- Create numerous Python tools for corporate usage using Python libraries such as Tkinter, ezdxf, PIL, Matplotlib, AutoScraper, Mathlib and others.
- Build several GUIs for Python utilities.

PROJECTS

Spotify Music Recommendation Model using Machine Learning

Python- sklearn, Matplotlib | Mar 2022

- Performed Data wrangling process on spotify dataset. (174k records)
- Normalized data using MinMaxScalar.
- Used K means clustering algorithm to build this music recommendation model,

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Twitter Sentimental Analysis with Natural Language Processing Project

Python- TextBlob, tweepy, NLTK | Jan 2022

- Used OAuth & tweepy to make connection with twitter. Also, Collected tweets in Json file.
- Performed preprocessing & Tokenizing the tweets.
- Calculated Polarity & classified tweets according to it's nature using TextBlob.

Unsupervised Learning Market Basket Analysis

Python - NumPy, Pandas, A priori | Mar 2022

- Corrected Unformatted data & Standardized data.
- Applied Apriori Algorithm to find association rules for items purchased from a retail grocery store with min_confidence=0.05 & min_support =3.

Hate & Offensive Speech Detection Machine Learning Model

Python - sklearn, NLTK, NumPy, Pandas | Mar 2022

- Sentimental Classification project.
- Performed Data Wrangling process on the dataset
- Used sklearn library to Count Vectorizer & nltk for stopwords.
- Used Decision Tree Classifier to train and predict data.

Yahoo.finance Webscraping Project

Python- bs4, BeautifulSoup | Sept 2021

- Used Ticker function & BeautifulSoup library to extract stock data of TSLA, GME & GameStop.
- Extracted data & transformed it to fit in pandas dataframe.
- Visualized TSLA, GME & GameStop stock data using matplotlib library.

Data Analysis of UHNWI

Python - NumPy, Pandas, Matplotlib | Oct 2021

- Handled missing & dirty data
- Corrected Unformatted data & Standardized data.
- Normalised the data for further analysis.
- Visualized data for answering analysis questions.

Book & Text Summarizer NLP Project

Python- NLTK, nlargest | Sept 2020

- Performed preprocessing & Tokenizing of the given text.
- Build function using nlargest library to summarize the given text/ paragraph.

OpenCv Spot the Difference Tool (For Preventing Cyber Attacks) Project

Python- OpenCV, NumPy, Imutils | Jan 2022

- Used OpenCV library to spot differences between to given images.
- Used python code to find contours, thresh, and kernels in given images

Further projects are available on my [github profile](#) including Alexa Virtual Assistant, Chatbots, Sentiment Analyzers, and other projects related to machine learning, data analysis, tableau, SQL, python automation tools, and so on. (18+ projects).

EDUCATION HIGHLIGHTS

Google

Professional Certification in Data Analytics | 2020 - 2021

- Core skills: R, Excel, SQL, Tableau
- Other Skills: Asking Right Questions, Data Wrangling, Data Transformation, Effective Communications with stakeholders, building & documenting data cleaning process, Using & implementing Visualization & story telling techniques to effectively communicate the findings from data.
- Completed 8 Courses with average Grade 95+

IBM

Professional Certification in Data Science | 2020 - Present

- Core skills: Python, SQL, GitHub, Tableau, Spreadsheets
- Other Skills: EDA in Python, Advance SQL for data engineering, Machine Learning Models, Model evaluation, Various Machine Learning Algorithms, Data Analysis & cleaning in python, Webscraping, Data visualisation for model evaluation & finding patterns & trends.
- Completed 3 projects in Webscraping, data analysis & visualisations
- Average Grade 93+

Stanford University

Machine Learning | Jan 2022 - Present

- This course is taught by World renowned Andrew Ng who is founder of DeepLearning.AI , Co-Founder of Coursera & Adjunct Professor at Stanford University
- Core skills: Logistic Regression, Artificial Neural Network, Machine Learning (ML) Algorithms, Machine Learning Models.
- Implemented Machine Learning Algorithms in MATLAB .
- Worked on Linear Regression with one & multiple variables.
- Learned and worked on Machine Learning System Design, Neural Networks, Support Vector Machine, Anomaly Detection, Recommender System, Large Scale Machine Learning, Dimensionality Reduction, Unsupervised Learning Algorithms, Linear Algebra.

SVBIT

Bachelor's in Information technology | 2018 - Present

- Major in : Data Analysis, Machine Learning & Data Visualisation.
- Won Student of the Year Award (2019)
- 100% Merit Based Scholar
- CGPA: 9.17

Hillwoods School

Higher Secondary Education | 2016- 2018

- 12th Class: 87.8% (in Top 4% students in India)
- 10th Class: 8.8 CGPA

COURSES & CERTIFICATIONS:

- Pursuing a certification on Machine Learning from Stanford University, US.
- Earned a Google Professional Certificate in Data Analytics by Google.
- Earned an IBM Professional Certification in Science.
- Certification in The Complete Guide to Starting Up by Time by Ankur Warikoo, Founder & Former CEO at NearBuy.com.
- Certification in Take Charge of Your Time by Ankur Warikoo, Founder & Former CEO at NearBuy.com
- Data Analysis with R Programming Certificate by Google.
- Process Data from Dirty to Clean certificate by Google.
- Databases and SQL for Data Science with Python certificate by IBM.
- Share Data Through the Art of Visualization certificate by Google.
- Python for Data Science, AI & Development certificate by IBM.
- Analyze Data to Answer Questions certificate by Google.
- Data Science Methodology certificate by IBM.
- Ask Questions to Make Data-Driven Decisions certificate by Google.
- Prepare Data for Exploration certificate by Google.
- Tools for Data Science certificate by IBM.

ACCOMPLISHMENTS:

- Earned 100% Merit Based Scholar for Whole B.Tech Degree.
- Received IBM Badge of Honour in SQL for Data Engineering.
- Awarded as Student of the Year 2019 SVBIT.
- Chess Runner Up at SVBIT SportsViden'19.
- Entitled as SVBIT Chess Team Leader for State Level Chess Competition.

RELEVANT EXPERIENCE IN TECH DOMAIN :

- Website Designer for a Shopify Client from LA, California.
- Served as a Product Data Analyst for a Shopify Client.
- Managed Facebook Ads Manager for a Shopify Client.
- Build Shopify Stores for a client based out of Saudi Arabia.
- Handled Social Media Marketing Designs for a Palm Jumeirah, Dubai based client
- Worked as a Marketing Design Freelancer for a Thailand-based client.
- Provided services as a UI Designer for cliente in Dubai.