MANMEET SINGH

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PROJECTS

❖ **Time Ahead Amazon Business Research Analyst Use case |Python| | ML | Regression**

I solved a use case for Amazon Business Research Analyst by predicting the delivery time for an order. I created three environments: research, development, and production. In the research environment, I collected and cleaned data from Kaggle, performed exploratory data analysis, feature engineering, feature selection, and model building. In the development environment, I converted the code into modular code and created a web application using Flask. In the production environment, I deployed the model using Amazon Elastic Beanstalk and created a code pipeline for continuous delivery.

❖ **USCovid19Mortality Predictor | Python | ML (Random Forest) | Regression**

Applied Regression Technique to more than 0.8 million Observations to Predict the Mortality Due to Covid19 in the US. Performed Exploratory Data Analysis using Tableau and Pandas Profiling Report Then Feature Engineering and then used Random Forest Regression for the prediction of the dependent variable.

❖ **Meta Stock Price Predictor | Python | Deep Learning (RNN)**

Collected 10 years of the dataset from yahoofinance.com then After using all the data preprocessing techniques. built and trained RecurrentNeural Network using Keras/TensorFlow then added LSTM layers. Collected the dataset till JUN 22 then predicted the trend for the Whole month of JULY 22 and got an almost similar pattern.

❖ **Awesome Portfolio Website | Front-End | Web**

An open-source project which provides a free full-fledged portfolio website. I worked on the front End of the project using HTML5, CSS3, JS(Vanilla), and Bootstrap plus I have used a little bit of adobe photoshop for my editing my background image.

❖ **Damaged Image Restorer| Python | OpenCV**

Applied computer vision to restore the damages in images of ancient times. Firstly, created a mask for highlighting the areas of damagedimages, used thresholding and dilation, and then restored the image using an in-paint function of computer vision.

WORK EXPERIENCE

Jun 2022-Aug 2022	Software Trainee	Click-Tech	Remote

❖ Gained practical knowledge of handling big and messy codes giving appropriate variable names, maintaining indentation, Basic Object-Oriented Programming for AI applications, some Machine Learning Techniques and how to communicate and work with a team.

EDUCATION

❖ Information Technology Engineering	Guru Tegh Bahadur Institute of Technology, New Delhi 9.328 CGPA	1st Year	**2021-2025**
❖ XII(CBSE)	**89.9% | 2021**
❖ X(CBSE)	**86% | 2019**

PROFESSIONAL CERTIFICATES

❖ Certificated in **Machine Learning** (A to Z Course) Hands-on Python From Udemy
❖ Certificated in **Deep Learning** from Udemy (Python)
❖ Certificated in **C++ Programming** from Udemy
❖ Certificated in **Data Structures & Algorithms** from Udemy (C/C++)
❖ Certificated in **Modern Computer Vision** PyTorch, Tensorflow2, Keras, OpenCV4 from Udemy (Python)
❖ Certificated in **Deployment of ML Models** from Udemy
❖ Certificated in **Full Stack Web Development** Course from Udemy

PROFILE SUMMARY

A Meticulous and organized individual seeking an Entry-level position in the field of Data Science. Skilled at developing reports, analyzing data, identifying solutions, making robust machine and deep learning models, feature engineering. Strong ability to handle complex projects. Innovative,creative, fast-learner AI Enthusiastic, Python Lover and willing to contribute ideas and learn new things.

TECHNICAL SKILLS

❖ **Languages:** C, C++, Python (Intermediate)
❖ **Development:** HTML5, CSS, Bootstrap, JS, node.js, express.js, ejs
❖ **Version Control:** Git, GitHub
❖ **Data Science:**
  - **Libraries:** Scikit-Learn, OpenCV
  - **Regression:** Simple Linear Regression, Multiple Linear Regression, Polynomial Regression, Support Vector Regression, Decision Tree Regression, Random Forest Regression
  - **Classification:** Logistic Regression, K-nearest Neighbors, Support Vector Classifier, Kernel SVM, Naïve Bayes, Decision Tree Classification, Random Forest Classification
  - **Clustering:** K-Means Clustering, Hierarchical Clustering
  - **Reinforcement Learning:** UCB, Thompson Sampling
  - **NLP:** Bags of Models, TF-IDF, Word2Vec
  - **Deep Learning:** ANN, CNN, RNN

❖ **Data Analysis:** NumPy, Pandas, Matplotlib, Seaborn
❖ **Database:** MYSQL, sqlite3
❖ **BI Tool:** Tableau
❖ **Tools:** Microsoft VS Code, Jupyter, Google Collab

HONORS & AWARDS

❖ Worked as a Team leader in Datathon organized by Hack2Skill.
❖ Secured 5-Star in C++, Python (Hacker Rank).

INTERESTS

❖ Coding, Music, Travelling