ARNAV **GUPTA**

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- Highly motivated AI/ML undergraduate student seeking an entry-level role in data science, software engineering, and data analysis.
- Experience in diverse projects including machine learning, web development, IoT, and image processing using Matplotlib.

EXPERTISE

- TECHNOLOGIES - Artificial Intelligence/Machine Learning/Data Analytics/Distributed Systems/Web Development/DIP/IOT/GITHUB
- FRAMEWORKS- Django/Bootstrap
- LANGUAGES - Python/JAVA/C/HTML/CSS/JavaScript /PHP/AngularJS/MySQL
- LIBRARIES- SkLearn/PyTorch/TensorFlow/ Matplotlib/Pandas/Numpy/Seaborn
- SOFT SKILLS- Interpersonal skills/ Presentation and reports/ Collaboration and Team Work/ Critical Thinking/ Project Management

PROJECTS

CUSTOMER CREDIT AND BUYING PROFILE IN E-COMMERCE

- Conducted extensive research to determine the scope of existing models and further development possibilities and published a paper.
- The dataset, initially preprocessed and transformed into a refined form (df4), was subjected to several classification algorithms.
- The Decision Tree and Random Forest models consistently perform well, showcasing their suitability for credit scoring tasks with accuracies of 92.26% and 94.62%, respectively.
- The SVM model's effectiveness with outliers highlights the importance of data preprocessing, while the introduction of Polynomial Features in the Random Forest model demonstrates the potential benefits of feature engineering, resulting in an impressive accuracy of 96.64%.

FACE-MASK-DETECTOR

- Fine-tuned the MobileNet V2 architecture, a highly efficient architecture which works well with limited computational capacity.
- Keras Functional API was used to make the architecture of the model.
- The model could successfully classify images as with or without mask with a 99% accuracy.

IMAGE-CLASSIFIER-SVHN-DATASET

- Built an MLP classifier model using the Sequential API. The model used only Flatten and Dense layers, with the final layer having a 10-way softmax output.
- Built a CNN classifier model using the Sequential API.
- The model used the Conv2D, MaxPool2D, BatchNormalization, Flatten, Dense and Dropout layers.
- Succesfully built a neural network that classifies real-world images digits with an accuracy of 90%.

HOUSE-PRICE-PREDICTION

- Predicting house prices using Linear Regression and Gradient Boosting Regressor.
- Visualized the trends in housing prices using matplotlib library.

PROFESSIONAL EXPERIENCE

PROGRAMMING INTERN - AI | RINEX TECHNOLOGIES | SEP - NOV,2021

- Attended lectures conducted by certified professionals on key subjects including Data Analytics, Machine Learning, Data Science, Deep Learning, Neural Networks, LSTM and programs based on these topics using python.
- Development of projects under guidance of experienced mentors.

SOFTWARE DEVELOPER | SAHU LAGHU UDYOG | FEB- MARCH, 2021

- Developed an Employee Database with an Accounts Updating Software to fulfill client requirements by utilizing Python and MySQL, thereby achieving 90% reduction in record maintenance costs.
- Designed a custom program interface in accord with client demands.

SOFTWARE DEVELOPER | ASHOKA PRODUCTS | JUNE - JULY, 2020

- Developed an Employee Database program with an Attendance Updating Software, based on client pre-requisites using Python and MySQL.
- Worked closely with the administrative team and coordinated required program specifications to successfully achieve loss reduction for nearly 30%.
- Implemented custom program interface based on client utility requirements.

DIGITAL VIDEO PRODUCTION | SWASTIK POLYCOATS LTD. | JUNE, 2019

- Dev unique graphic designs and professional product videos based on client's request.
- Brainstormed innovative ideas for the marketing video.

EDUCATION & COURSES

BACHELOR OF TECHNOLOGY - COMPUTER ENGINEERING (AI AND ML)

Presidency University | 2020 - 2024

THE COMPLETE WEB DEVELOPMENT BOOTCAMP

Dr. Angela Yu | UDEMY (Ongoing)

REAL LIFE MACHINE LEARNING AND DATA SCIENCE PROJECTS

Sheik Jamil Ahmed | UDEMY

DATA SCIENCE - MACHINE LEARNING ON SAP DATA & SAP CONSULTANT

Manifold Ai Learning | UDEMY

INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)

Rav Ahuja | IBM

AGILE SCRUM FOUNDATION

Krishna Kumar | Simplilearn