Shikhar Katyayan

Data Science Enthusiast

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EDUCATION

SRM Institute of Science & Technology

2017 - 2021 | Delhi-NCR

B.TECH MECHANICAL ENGINEERING
80%

DELHI PUBLIC SCHOOL GHAZIABAD

2017 | Ghaziabad

CBSE CLASS XII (2017) : 71.30%

CBSE CLASS X (2015): CGPA 9.8/10

PORTFOLIO

GitHub://github.com/shikhar0503

SKILLS

LANGUAGES
- Python (Skillful)
- HTML (Skillful)
- CSS (Basic)

TOOLS AND FRAMEWORKS
- MySQL
- Anaconda
- Flask
- Tensorflow
- Keras
- GitHub

OTHERS
- Ms-Excel
- Tableau
- Power BI
- Heroku

COURSEWORK

- Statistics
- Data Science
- Machine Learning
- Deep Learning
- Computer Vision
- Natural Language Processing

HOBBIES

- Exploring new technologies in cars
- Listening Music
- Playing Badminton

WORK EXPERIENCE

ASAHI INDIA GLASS LTD | MANAGEMENT TRAINEE-BUSINESS INTELLIGENCE   [June 2021 – Sept-2021]
- Analyzed requirements and fulfilled complete project management lifecycle from Initiation to Closure with the customers.
- Coordinated with different departments for process improvement and workflow optimization for smooth delivery.
- Assisted in the creation and tracking of business plan key performance indicators.
- Produced ad-hoc management reports ranging from dispatch and receivable management to category and client detail revenue.
- Suggested usage of BI tools like tableau or power BI to visualize monthly business KPIs saving 6hrs per week of manually reporting in excel.

HONDA CARS INDIA LTD | OPERATIONS ANALYST INTERN   [May 2018 - June 2018]
- Conducted research, analyzed workflows, business processes, and recommended changes.
- Maintained daily report of core technical problems that are haltering operation on the assembly line and suggested solutions for it.
- Identified and provided a new piston assembly layout for the smooth functioning which reduced the lead time by 20%.

PROJECTS

COVID-19 : REAL TIME FACE MASK DETECTING SYSTEM
- Developed a Real-time model for detection and classification of Masked and Un-masked faces by fine tuning an Xception model and achieved an 95% accuracy.
- Collected a dataset of over 1200 images and used OpenCV and a Caffe trained face detection model to detect and localize multiple faces in a single frame.

CREDIT CARD FRAUD DETECTION
- Developed fraud detection model to detect actual fraud transaction by implementing Smote & Undersampling technique on imbalanced data. Classified further using hyper tuned random forest classifier.
- Successfully achieved highest sensitivity-specificity balanced score of 0.79 and 0.88, respectively.

HEART STROKE PREDICTION SYSTEM
- Built a prediction system using neural network (ANN) by selecting features according to k highest score. Performed hyperparameter tuning using different optimizers and epochs to improve test accuracy.
- Created a user-friendly web application using flask framework & HTML and deployed it on Heroku.

SENTIMENT ANALYSIS ON HOTEL REVIEWS
- Categorized reviews by customers between rating 1-5. Performed NLP based tokenization, stemming, Lemmatization, vectorization techniques.
- Developed a robust model using logistic regression which categorized reviews with an accuracy of 51.77% and further improved it to 56.65% by using neural network.

CERTIFICATIONS

1. Google Data Analytics Professional Certificate
2. IBM Data Science Professional Certificate
3. BCG Data Science & Advanced Analytics Virtual Experience Program
4. KPMG Data Analytics Consulting Virtual Internship
5. Goldman Sachs Engineering Virtual Program