
ABHINAV

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github.com/AbhiChaudhary007

Machine Learning Engineer

Objective

Experienced ML Engineer with proven success in building successful algorithm & predictive models for industry. Passionate engineer to serve a professionally managed organization which will be able to use my potential to the maximum extent in achieving the goals of the organization.

Technical Skills

Languages & Skills	Python,C, CSS,HTML, SQL
Statistics	Hypothesis Testing, Correlation, STD, Central Limit Theorem, Descriptive Statistics, Bayes Theorem, Binomial Distribution, Normal Distribution
Machine Learning	Regression Linear Regression, L1, L2, Decision Tree, Random Forest, SVR, KNN
	Classification Logistic Regression, Decision Tree, Random Forest, Gradient Boost, XGB, Naive Bayes, SVC, KNN
	Clustering Hierarchical(Divisive, Agglomerative), Non-Hierarchical(K-Means)
	Dimensionality Reduction PCA, LDA
	Time Series AR, MA, ARMA, ARIMA, SARIMA
Natural Language Processing	Tokenization, POS, Stop Words, Lemmatization, NER, Bag of Words, TF-IDF, Word2Vec, Cosine Similarity, Topic Modelling, Info Retrieval, RASA
Deep Learning	Neuron, ANN, CNN, Transfer Learning, RNN, LSTM, GRU Cell, Object Detection, Yolov3, Yolov5, Auto Encoder
Deployment/Cloud	Flask, AWS, Heroku, FastAPI
Visualization	Power BI, Tableau, Seaborn, Matplotlib
Databases	Oracle 12C, MySQL, MongoDB
CI/CD Tools	Github, udeploy, Jenkins, Bitbucket

Professional Project Experience

Software Engineer(Machine Learning Engineer), Wipro Ltd.	June,2017-Present
Customer: ANZ Bank	
Project: Complaints NLP	Feb,2021-
<ul style="list-style-type: none">Created an NLP model using word embedding(Gensim - Word2Vec) for Reactive Keyword Search.Exposed the model on UI using Flask with relevant synonyms, complaints, and frequency of complaints using barplot.Working on Proactive search of complaints themes and complaints classification.	
Project: Model to predict on existing customers who will be more interested in taking Personal Loan	Dec,2019-Jan,2021
<ul style="list-style-type: none">Performed data cleansing, data manipulation, and exploratory data analysis to identify, analyze and interpret data to find out trends/patterns in the data set.Developed a model in python using XGBoost and provided association rules to provide specific conditions in which customers are ready to take a personal loan.Analyzed large volumes of data to draw actionable insights that support the business decision-making process.Provided strategy for whom to target for the next campaign.	
Project: Classification Model to predict which existing customers are going to leave the bank	Oct,2018-Nov,2019

- Developed a classification predictive model using Random Forest by performing data cleaning, data manipulation, EDA.
- Helped senior ML Engineer in data analyzing to draw the insights that helped in decision making.
- Involved in parameter tuning process for optimal model hyperparameters.
- Involved in REST APIs creation using Flask to predict who is going to leave.

Project: Automate various manual deployment work

Aug,2017-Sep,2018

- Setup Continuous Integration with Jenkins and make use of the wide range of plugins available to set up smooth developer-friendly workflows.
- Educate developers on how to commit their work on GitHub and they make use of CI/CD pipelines in place.
- Setup full CI/CD pipelines so that each commits a developer makes goes through the standard process of the software lifecycle and gets tested well enough before make it to production
- The use of GitHub Check APIs made the life of team lead easy no need to check to go to Jenkins and check which stage of the software lifecycle failed.
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Personal Projects

- **Detect whether person is wearing mask or not inside car then sending mail to defaulters**
GitHub: <https://github.com/AbhiChaudhary007/Mask-Detection-in-car-sending-mail-for-defaulter>
- **Face mask detection with image and video camera**
GitHub: <https://github.com/AbhiChaudhary007/Mask-Detection-Camera>
- **Smile Detection with video cam**
GitHub: <https://github.com/AbhiChaudhary007/Smile-Detection>
- **Cat Dog Prediction**
GitHub: <https://github.com/AbhiChaudhary007/Cat-Dog-Prediction>
- **Fake News Classifier using LSTM**
GitHub: <https://github.com/AbhiChaudhary007/Fake-News-Classifier-LSTM>
- **Stock Prediction using LSTM**
GitHub: <https://github.com/AbhiChaudhary007/Stock-Prediction-LSTM>
- **Basic Corona Chatbot using RASA**
GitHub: <https://github.com/AbhiChaudhary007/Basic-Corona-Virus-Chatbot>

Achievements

- Received Wipro Victory League recognition for excellent work delivered.
- Was among the toppers in Wipro's Talent Transformation Training .
- Received certificate for exceptional performance in the category of PRODIGY by Wipro.
- Received certificate for exceptional performance in the category of ROOKIE by Wipro.

Education

- B.Tech(ECE), Meerut Institute of Engineering & Technology, 2012-2016
- Class 12, Dayawati Modi Academy 1st
- Class 10, Dayawati Modi Academy 1st

Languages

English and Hindi.