

Junaid Nasir Khan

ML/DL Practitioner

Chandrapur, Maharashtra, India

junaiddkhangec@gmail.com

+91 8668728946

www.junaidnasirkhan.github.io

EXPERTISE

Deep understanding and expertise in the field of Machine Learning, Deep Learning and Statistical Learning.

Experience in Exploratory Data Analysis and Data Visualization with principal component analysis, TSNE, Data Preprocessing & Feature Engineering.

Graphs, Classification, Regression, Computer Vision and Deep Learning (MLP, CNN, RNN - Encoder-Decoder Attention Models)

Natural Language Processing Transformer (BERT , ALBERT , Roberta, XLNET etc. in Hugging Face)

Mathematical knowledge in Optimization techniques - Gradient Decent, SGD, AdaGrad, AdaDelta and Adam

Linear and Nonlinear models, Bayesian theory, Recommendation systems, Data visualization.

Transfer Learning using pretrained models like VGG16,DenseNet etc.

KNN, Logistic Regression, Linear Regression, SVM, Naïve Bayes, Random forest, Decision Tree, XGBoost ,Gradient Boosting Decision Trees.

COMPETENCIES

Programming Languages	▪ Python	▪ SQL	▪ C/C++
Databases	▪ MySQL		
IDE/Tools:	▪ Jupyter Notebook	▪ VS Code	▪ PyCharm
Machine Learning Tools	▪ scikit-learn	▪ TensorFlow	▪ Keras

PROJECTS

July 2020 - Aug 2020

Recruit Restaurant Visitor Forecasting

Objective:-The Goal of the project is to predict how many future visitors a restaurant will receive using Machine Learning Technique.

Analysis:-Performed detailed Exploratory Data Analysis on Recruit Restaurant Dataset.

Models Built:-K-Nearest Neighbour, Linear Regression, Decision Trees, Random Forest & GBDT.

Framework & Lib:-Python - SkLearn, XGBoost, Statsmodels, Matplotlib, Seaborn, Pandas & Numpy.

Blog:-[Visit Medium Blog](#).

Code Repo:-[Visit GitHub Repository](#).

July 2020 - Aug 2020

Pneumonia Detection using Chest X-Rays

Objective:-The Goal of the project is to Build a deep learning model that automatically detects & locate potential pneumonia lung opacities on chest radiographs (CXR).

Analysis:-Performed detailed Exploratory Data Analysis on Recruit Restaurant Dataset.

Models Built:-A binary image classifier model using ChexNet (i.e. densenet121 trained on chest x-rays) and A Pneumonia opacity detection model using YoloV3 model with ChexNet as backbone.

Framework & Lib:-TensorFlow, pydicom, cv2, albumentations, lxml.

Blog:-[Visit Medium Blog](#).

Code Repo:-[Visit GitHub Repository](#).

EDUCATION

July 2012 - May 2016

Government College Of Engineering, Chandrapur

Bachelor of Computer Science & Engineering (7.11 CGPA)

July 2010 - July 2012

Kendriya Vidyalaya WCL, Chandrapur

HSC 12th-Grade (68.20% Aggregate)

June 2009 - June 2010

Government Jubilee High School, Chandrapur

SSC 10th-Grade (77.45% Aggregate)

EXPERIENCE

June 2016 - Present

Nexus Techsolution, Chandrapur

Freelance Web Developer

Designed & Developed static & Dynamic websites from scratch or using CMS

Optimized existing websites

Performed Search Engine Optimizations

Integrated Payment Gateways

Integrated external plugins & API's

CERTIFICATION

Issued Oct 2020

Applied AI Course

See Credential

Issued July 2019

Applied Data Science with Python - Level 2

See Credential

Issued July 2019

Data Science Foundations - Level 1

See Credential

Issued July 2019

Python for Data Science

See Credential