

Ronil Patil

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Education

Matoshri College of Eng & Research Centre, Nashik
Bachelor of Engineering(Comp), CGPA : 8.9/10 (Current)

Nashik, India
July 2018 - May 2022

Vivekanand Vidhya Vihar, Maral Sarovar, MP
12th std, Score : 77%

Khargone MP, India
July 2017 - Apr 2018

Vivekanand Vidhya Vihar, Maral Sarovar, MP
10th std, CGPA : 8.8/10

Khargone MP, India
July 2015 - Apr 2016

SKILLS

Programming Languages(Proficient) : Python.

Machine Learning & Deep Learning Stack : Numpy, Pandas, Scikit-learn, Tensorflow, Keras.

Data Visualization Stack : Matplotlib, Seaborn, Plotly Express, and Power Bi(Familiar).

Database Language : Sql.

Hardware Stack : Arduino, ESP01, and ESP32.

Framework & Deployment Tool : Streamlit, Heroku.

Version Control : Git & Github.

PROJECTS

Covid Detection from MRI's – Deep Hybrid Learning

- Built a **Hybrid Network** by combining VGG16 Pre-trained Network with XGBoost Algorithm.
- Used VGG16 Network for extracting useful features from the images and finally used XGBoost for classifying them.
- Finally trained whole network in just **21 sec.** and at the end got accuracy of **98.32%**.

Potato Leaf Disease Detection – Deep Learning

- Built a Potato Leaf Disease Detection model using a simple and classical Convolutional Architecture.
- Finally, built a web app using **Streamlit** and deployed it on **Heroku**.

T20 International Score Predictor – Deep Learning

- Built a Complex Neural Network Architecture using Keras Functional API to estimate match scores.
- Finally, built a web app using **Streamlit** and deployed it on **Heroku**.

WhatsApp Group Chat Analysis – Data Analysis

- Did a lot of preprocessing, feature engineering, and analysis to extract useful insights from the chat.
- At the end **15** useful insights generated along with **interactive visual charts**.

Customer Churn Prediction – Machine Learning

- Built an End to End Machine Learning Pipeline to assemble all preprocessing, model building, and model tuning techniques and finally execute it as single entity.
- Different Ensembles Techniques have been used for model building and at the end got the accuracy of **80%**.

ACHIEVEMENTS And EXTRA-CURRICULAR

Participated in Blogathon 7 & 8 (Analytics Vidhya)

- 10+ Machine Learning & Deep Learning Articles got published at world's leading Data Science portal "**Analytics Vidhya**"

Published WhatsApp Group Chat Analysis Package at PyPI

- This package will take whatsapp group chat text file as input, perform ETL, and finally generate insights in the form of visuals.
- More than **15** methods are available which will generate **interactive visuals** in just 2-3 lines of code.

POPULAR PUBLICATIONS

The Data Science behind IPL - (Analytics Vidhya)

Stock Price Movement based on News Headline - (Analytics Vidhya & datapiTHU)

WhatsApp Group Chat Analysis using Python - (Analytics Vidhya)

Automate Time Series Forecasting using Auto-TS - (Analytics Vidhya)