KALYANI AVHALE
ASPIRING DATA SCIENTIST

+91-7558594932 kalyaniavhale7@gmail.com https://www.linkedin.com/in/kalyani-avhale-28b28b160/ https://github.com/KalyaniAvhale

2.4 years of industry experience as **Application Development Analyst** with excellent track-record of delivering quality support demonstrating strong analytical and problem-solving skills, looking for a transition to **DATA SCIENTIST** role. Along with interest in analysing raw data and statistics brings excellent communication abilities and hands-on experience leveraging machine learning, deep learning, transfer learning knowledge to solve challenging business problems.

SKILLS	EDUCATION	
Python, Machine Learning, MySQL, Exploratory Data Analysis, Deep Learning, Keras, TensorFlow, Data Pre-Processing, Feature Engineering, Tableau, NLP, Java, R, OOP, HTML, FLASK, Jira, Splunk, Elastic Search	**PG-Diploma in Data Science and AI** College of Engineering, Pune	*August 2020 - Sep 2021* *9.26 CGPA*
	B.E in Information Technology Sinhgad College of Engineering, Pune	*August 2016 - June 2019* *8.47 CGPA*
	Diploma in Information Technology Government Polytechnic, Pune	*August 2013 - May 2016* *84.19 %*

WORK EXPERIENCE

APPLICATION DEVELOPMENT ANALYST
September 2019 - Present

ACCENTURE, PUNE – INDIA

- Demonstrated **Understanding of Application architecture**.
- Work in collaboration with **scrum** teams on application that improves the reliability of systems in production, fixing issues, responding to incidents and usually taking on-call responsibilities.
- Well versed with **JIRA** tool following **agile** methodology. Proficient in **debugging** with tools such as **Splunk**, **Quantum Metrics, Elastic Search** & **Dynatrace.**
- Ability to **lead** and manage team and work with cross functional teams for quick and efficient resolutions of incidents.
- POC **- REPORT AUTOMATION & DASHBOARD**

Worked on Client reports **automation** task using **Python** and **Selenium** skills **reducing 70% of daily human efforts**. Leveraged **Tableau** skills in presenting KPI report to Client Leadership.

- ACHIEVEMENTS: 1. **Shared Success Catalyst Award** 2. **ACE Winner in F22 Q1 Award**

COMPUTER VISION ENGINEER
October 2021 - December 2021

PROXMAQ - INDIA

- Worked with machine learning experts on model development of ProxVision, the smart glasses for blind people with the ability to capture and analyse person's surroundings, read text, identify currency, store and access audio books and songs from cloud, make video/audio calls, share the location, recognise the faces and more.

PERSONAL PROJECTS

Customer Churn Prediction

- **Primary goal**: Aim was to predict the churn score for a website based on multiple features that would help reducing customer churn and increase sales.
- **Approach**: Exploratory Data Analysis was performed to understand behaviour of customers based on given data, **Data Cleaning** was major task as data had irregularities. **Logistic Regression, Ensemble techniques with Hyper parameter tunning** & **KNN** were implemented to build the models which can predict the churn score. Then, each model's **accuracy** & **F1** score were compared. With **Ensemble** techniques achieved best accuracy of 82% and factors impacting the customer were determined.

Distracted Driver Detection

- **Primary goal**: Develop an efficient model for identifying the driver's behaviour using convolutional neural networks.
- **Approach**: The model consisted of 3 (Convolution + Pooling layers + Dropout) layers with a Dense layer. The activation function used was "Relu". With this architecture accuracy of 97% was achieved and further improved with the implementation of Transfer Learning technique using **VGG16** pretrained model. The final model was able to achieve accuracy of 99%.

Image Caption Generator

- The Image caption generator task was implemented using CNN and LSTM. The image features were extracted from **Xception** model and feed it into the **LSTM** model which was responsible for generating the image captions.

ARTICLES PUBLISHED

- Tutorial on Gradio Library
- Understanding of Optuna - A Machine Learning Hyperparameter Optimization Framework

PERSONAL DETAILS

Father's Name: Sunil Avhale
Mother's Name: Manda Avhale
DOB: 24/Sep/1997
Sex: Female
Nationality: Indian