



KUNAL PARKHADE

Nagpur, Maharashtra

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TECHNICAL SKILLS

Languages: Python, C++, SQL

Developer Tools: VS Code, Google Colab, Kaggle, AWS

Technologies/Frameworks: Machine Learning, PyTorch, Scikit-learn, Streamlit

EDUCATION

Yeshwantrao Chavan College of Engineering

Bachelor of Technology in Computer Science & Engineering - 8.64 CGPA

Dec 2021 – May 2025

Nagpur, Maharashtra

Keshav Nagar Jr. Science College

XI-XII - 90.5%

Aug 2019 – Aug 2021

Nagpur, Maharashtra

RELEVANT COURSEWORK

- Data Structures
- Machine Learning
- OOPS
- NLP
- DBMS

PROJECTS

Automated Routing and Classification of Customer Complaints | NLP, Machine Learning

Present

- Developed an automated system leveraging NLP to classify and route customer complaints to relevant departments achieving 80% classification accuracy.
- Built and preprocessed a dataset of 1000+ complaints, ensuring effective text analysis and robust model training.
- Implemented machine learning models to categorize complaints based on department-related keywords.
- Reduced complaint handling time by 50% by enabling automatic email routing to relevant departments, streamlining the complaint management process.

Pencil Sketch Transformer | OpenCV, Streamlit, Cloud Firestore | Project URL | Github URL

November 2024

- Designed a web-based app using Streamlit and OpenCV, enabling users to convert photos into pencil sketches with customizable options.
- Implemented a secure user authentication system with Signup/Login validation to ensure data privacy.
- Delivered an intuitive user interface, increasing user engagement and ease of use with additional Download Option

ChatBot using Amazon Lex | Amazon Lex, AWS Lambda, AWS CloudFormation | Github URL

October 2024

- Developed and deployed a functional chatbot using Amazon Lex with intents like WelcomeIntent and TransferFunds.
- Created a custom slot type (accountType) and integrated it with the CheckBalance intent to gather user information before processing requests.
- Connected a Chatbot with Lambda that facilitates managing servers without running code.
- Resolved deployment errors by using AWS CloudFormation and setting the correct resource-based policies for smooth bot functionality.

Product Tagging for E-commerce Using CNN | CNN, PyTorch, ML

September 2024

- Built a Convolutional Neural Network (CNN) model to classify and tag images.
- Developed the model using Python and PyTorch, and trained it on thousands of labeled product images.
- Achieved a 90% tagging accuracy, saving significant time and effort for the company's cataloging process.

CERTIFICATIONS

Machine Learning with Python | IBM Skills Network | URL

October 2024

Intermediate Deep Learning with PyTorch | DataCamp | URL

August 2024

AWS Educate Machine Learning - DeepRacer | Amazon Web Services | URL

May 2023