# Pankaj Pal

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## EDUCATION

Bachelor of Science (Computer Science) — Aug 2020 - May 2023
University of Mumbai — CGPA – 8.70

Master of Science (Data Science) — Aug 2023 - Mar 2025
Thakur College of Science and Commerce — CGPA – 7.45

## SKILLS

**Programming Language:** Python, C, HTML, CSS.
**Database:** SQL, MongoDB.
**Tools:** Excel, Power BI.
**Libraries:** NumPy, Pandas, Matplotlib, Scikit-learn, Streamlit, FASTAPI, Flask.
**Functional Areas:** Data Cleaning, Data Visualization, Machine Leaning, Deep Learning, Natural Language Processing, Large Language Model.

## PROJECTS

**Next-Word Suggestion Using NLP Link**

- Developed a Flask used web application for predicting Next-World Suggestion Using NLP based on by using re and counter modeling.

**Crop Recommendation System Using Machine Learning Link**

- Implemented machine learning solution using Random Forest Classifier to predict Crop Recommendation system and achieve 99.31% accuracy.
- Analyze soil, climate, and environmental factors like pH, rainfall, and temperature. It provides farmers with personalized crop suggestions, improving yields, profitability, and sustainability.

**Lok Sabha Election 2024 Link**

- Developed an interactive dashboard focusing on seats, constituencies, and candidates.
- Real-time updates and visual insights into election outcomes and candidate performance were made available dashboard.

**Brain Tumor Detection Using Deep Learning (run time) Link**

- Implemented deep learning using Convolutional Neural Networks to predict Brain-Tumor-Detection-Using-Deep-Learning and achieve 0.9722 accuracy.
- Analyze Glioma, Meningioma, Pituitary, No Tumor Developed a Flask used web application.

## RESEARCH PUBLICATION

**Automated Skin Lesion Diagnosis Using Deep Learning Feature Extraction and Machine Learning**

Conducted research on developing deep learning models Skin Cancer Classification and Segmentation Using Deep Learning. This project explores the potential of deep learning algorithms to improve the accuracy and efficiency of skin cancer diagnosis. The paper delves into how deep learning can analyze skin lesions in images, and potentially aid in earlier detection. Published in IJCRT.

## CERTIFICATION

- SQL: (Certificate), Alteryx Machine Learning Fundamentals Micro-Credential (Certificate),
- Cyber Security: (Certificate), Cloud computing: (Certificate),
- Alteryx_Foundational_Micro_Credential: (Certificate), Problem solving: (Certificate)