Akshay Pimpale

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EDUCATION

B.E ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
Expected May 2025
SNJB's KBJ College Of Engineering
Chandwad, Nashik.

HSC
Aug 2021
LDP Junior College Of Arts And Science
Lasalgaon, Nashik.

SSC
March 2019
Savitribai Phule Madhyamik Vidyalay
Somthandesh, Nashik.

TECHNICAL SKILLS

PROGRAMMING
Experienced:
Python • C++ • SQL
Familiar:
HTML • CSS • JavaScript • Latex

FRAMEWORKS
Numpy • Pandas • Scikit Learn • Django
NLTK • Pytorch • Tensorflow • Keras

TOOLS/APPLICATIONS
PowerBI • Tableau • Excel • MySQL
MongoDB • Git/GitHub • Overleaf

LANGUAGES
English • Hindi • Marathi

COURSEWORK

Data Science
Artificial Intelligence
Machine Learning
Deep Learning
Object Oriented Programming
Database Management System
Data Structures And Algorithm
Operating System
Cloud Computing
Internet Of Things
Web Development

EXTRA CURRICULAR

- Vice-President at AART
- Event Manager at AART
- Anchor

CAREER OBJECTIVE

- An Enthusiastic **Artificial Intelligence and Data Science** student with hands-on expertise in Machine Learning, Data Analysis, Programming and Statistics.
- Seeking an entry-level **Python Developer**, **Data Analyst** And **AI/ML Engineer** role in a dynamic organization.
- I aim to leverage my analytical skills and technical expertise and commit to continuous learning and staying up-to-date in the industry to drive conscientiousness, innovative solutions, trends and insights.

INTERNSHIP

DATA SCIENCE INTERN | G-Tech Solutions, Nashik | Link
Dec 2023 – Jan 2024

- Analyzed datasets to derive actionable business insights, improving operational efficiency by 15 Percent.
- Developed and implemented machine learning models for predictive analytics, utilizing frameworks like NumPy, Pandas, and Scikit Learn.
- Conducted exploratory data analysis to identify key trends and presented findings to stakeholders using Matplotlib and Seaborn.

PROJECTS

FERTILIZER RECOMMENDATION SYSTEM | Link
Aug 2024 - In Progress
Developed a software-hardware embedded system integrating IoT and Machine Learning to enhance crop yields while reducing costs.

- An ML-based Recommendation Model with IoT to access Soil Health, Crop Type and Weather Conditions to optimize fertilizer usage to obtain higher yields.
- Implemented a Random Forest-based prediction model and a Streamlit interface for user-friendly access to insights, incorporating GPS and Sensors.

SENTIMENT ANALYSIS SYSTEM | Link
July 2024 - Nov 2024
Designed a YouTube comment sentiment analysis system achieving 86 Percent accuracy by leveraging NLP and machine learning techniques.

- Developed a project using Python, Machine Learning, NLP, Text Processing and Google Cloud API for seamless data extraction and processing.
- A Model consists of Scikit-Learn, Joblib, Naive Bayes Multinomial, TF-IDF, and IMDB's Datasets for training and evaluation

MOVIE RECOMMENDATION SYSTEM | Link
Feb 2023 - Jun 2024
Created a content-based movie recommendation system using Cosine similarity to enhance user personalization.

- Employed Python libraries like NumPy, Pandas, Scikit Learn, NLTK, and Pickle for model development and Flask for API integration.
- Implemented web scraping to gather diverse datasets and deployed the model with an intuitive web interface built using HTML, CSS, and JavaScript.

ACHIEVEMENTS

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Team KRISHI-ASTRA: Fertilizer Recommendation System.