# Akshay Kharpas

## Contact


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Shrirampur . Ahmadnagar


## Education

**B.Tech in CSE AIML**
Sanjivani University Kopargoan
**Curreant 2nd year CGPA 8.5**
2024 Ongoing

**Diploma in Mechatronics (Robotics)**
Sanjivani K.B.P Polytechnic, Kopargoan
**Percentages 86.67%**
2021-2024

**SSC**
Gondegaon Madhmik Vidyalay Gondegaon. 2020 - 2021
**Percentages 81.41%**

## Skills

**Programming Language :-** Java, Python

**Visualization Tool :-** power Bi, SPSS(IBM)

**DevOps :-** Docker , CI/CD Pipeline

**Development Tool :-** Git, GitHub, Streamlit

**DataBase :-** SQL

**Soft Skills:**

- Communication Skills
- Self-Motivation
- Adaptability
- Problem-Solving Ability

## Language

- English
- Hindi
- Marathi
- German

## About Me

I am a hardworking and curious student who enjoys learning new things, especially in technology and computers. I like solving problems, working with others, and trying out new ideas. I want to use my skills to help in projects and grow more in the field of computer science.

## Internships

### Infotact Solution

**Title: Movie Recommendation System using ML and Streamlit**
**Tools/Technologies:** Python, Pandas, Scikit-learn, Streamlit, TMDB API, GitHub
**Overview:**
Developed a content-based movie recommendation system that suggests top 5 similar movies based on user selection. Utilized cosine similarity on movie metadata for accurate results. Integrated TMDB API to fetch and display movie posters dynamically. Deployed the project on GitHub with an interactive Streamlit UI.

### Zidio Development

**Title: Stock Market Forecasting Using Time Series**
**Tools/Technologies:** Python, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn, Statsmodels, Prophet, TensorFlow/Keras, Streamlit/Flask (optional)
**Overview:**
Analyzed historical stock market data to forecast trends using time series models such as ARIMA, SARIMA, Facebook Prophet, and LSTM. Focused on understanding trends, seasonality, and noise in financial data.
Visualized insights through dashboards and graphs, compared model accuracy, and tuned parameters for better forecasting performance. Delivered final output with documented reports and optional web deployment.

## Projects

**Title: Plant Disease Detection System Using IoT and Ml Model.**
**Tools/Technologies:** ESP32-CAM, YOLOv8, Flask, Blynk, Python, DHT11, Soil Moisture Sensor
**Overview :** Developed a smart plant monitoring system using ESP32-CAM and YOLOv8 to detect plant diseases. Integrated sensors for real-time temperature, humidity, and soil moisture monitoring. Deployed a Flask-based AI server for image processing and displayed results on the Blynk app.

## Certifications

**IBM**

- Predictive Modeling with IBM SPSS Modeler – Learned to build, evaluate, and deploy predictive models using IBM SPSS.
- DevOps Fundamentals – Gained understanding of DevOps practices, tools, and automation in software development.
- Cloud Fundamentals – Covered basics of cloud computing, service models, and cloud architecture.

**Coursera**

- Java – Learned object-oriented programming and core Java concepts for software development.
- Python – Gained hands-on experience with Python programming for data handling and automation.
- Introduction to Generative AI – Explored the fundamentals of generative AI models and their real-world applications.