

RAMESHWAR PANCHAL

DATA SCIENTIST

CONTACT

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PROFILE SUMMARY

Results Driven Data Scientist with 3.6 years of experience in designing data-driven solutions across Finance, Retail and Healthcare domains. Skilled in machine learning, statistical analysis, deep learning. Understanding of Big Data tools. Proven success in improving business performance through actionable insights and model-driven automation. Passionate about solving real-world problems

EDUCATION

Bsc (Computer Science)
|2013| SRTMUN | 60.38%
HSC| 2009|PUNE | 55.50%
SSC|2006|AURANGABAD| 60.13%

➤ WORK EXPERIENCE

1.Data Scientist | Sphinx solutions, Pune | 3.6 Years | October / 2021 to present

- Developed an AI-powered Defect detection system for manufacturing process, which automates the identification of defects using deep learning and sensor-based machine learning models.
- Analyzed large datasets which having industrial product images & Sensor based data.
- Deployment:- API on AWS EC2/GCP Cloud Run, dashboard on Streamlit , database on AWS RDS/GCP Cloud SQL
- Results:- 85% reduction in inspection time, 90% accuracy, real time monitoring.

2. Computer Lab Technician | MGM College of CS & IT, Parbhani | 4 Years | October /2017 to October / 2021

- Maintained and troubleshoot hardware and software issues for over 30+ lab computers.
- Installed operating systems, software applications, and updates as needed.
- Assisted students and faculty with technical support and usage of lab equipment.
- Ensured network connectivity and basic server maintenance within the lab.
- Managed inventory of computer peripherals and performed regular system backups.

➤ PROJECTS

Project -1 : Defect Detection System for a Manufacturing process| Domain : Manufacturing & Industrial AI

- Reduced inspection time by 85% using AI-based automation.
- Improved defect detection accuracy to 90%, reducing faulty products.
- Lowered operational costs by 35%, by minimizing manual labour.

Project-2 : Healthcare Chatbot using NLP | Domain : Healthcare

- A healthcare chatbot is an AI-powered assistant that can interact with patients, answer, medical queries, schedule appointments and even provide preliminary diagnose based on symptoms.
- Achieved 92% accuracy in intent classification.

Project- 3 : Battery life prediction for EVs | Domain : Energy & Power Systems

- This project directly contributes to cost efficiency, sustainability and improved EV technology, making it highly valuable in the automotive and energy sectors.

➤ TECHNICAL SKILLS

Python/ML Packages: NumPy, Pandas, Sci-py, Scikit-learn.

Visualization & Dashboard : Matplotlib , Seaborn, Plotly, Streamlit.

Machine learning: Linear Regression, Ridge & Lasso Regression, Logistic Regression, Naïve Bayes Classifier, k Nearest Neighbor's Classifier, Support Vector Machine, Decision Tree, Random Forest, Gradient Descent, Ada-Boost, Gradient Boosting, XGBoost, K-means Clustering.

Deep Learning :- ANN, CNN, RNN models for Deep learning

Supported Libraries for DL:- Tensorflow, PyTorch, Keras

Text Processing: NLTK, TF-IDF, Word2Vec, Bag of Words.

Cloud & Deployment : AWS, Flask/FastAPI,Docker.

➤ PERSONAL DETAILS

Dob: 05-04-1990

Languages: English, Hindi, Marathi

Marital Status: Married