POOJA CHAVAN

Open to work

CONTACT

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- Linkedin|
- Portfolio|
- Github

SUMMARY OF THE PROFILE

Data Science and Machine Learning enthusiast with a **Master's in Mathematics** and hands-on experience in **predictive modeling, deep learning, and data visualization**. Proficient in **Python, SQL, Power BI, and ML frameworks**, with expertise in **data preprocessing, feature engineering, and model optimization**. Passionate about leveraging **AI-driven solutions** to solve real-world challenges. Seeking an **entry-level data science role** in a dynamic environment.

EDUCATION

MSc in Mathematics – Sadguru Gadge Maharaj College, Karad *(2024)*
CGPA: 9.75 (90.63%)
BSc in Mathematics – Sadguru Gadge Maharaj College, Karad *(2022)*
CGPA: 9.34 (88.75%)
HSC (12th) – Maharashtra State Board *(2019)* | **72.92%**
SSC (10th) – Maharashtra State Board *(2017)* | **86.20%**

ADDITIONAL SKILLS

✓ **Programming & Libraries: Python** (NumPy, Pandas, SciPy, Scikit-learn, Seaborn, Matplotlib, Plotly)
✓ **Machine Learning: Regression** (Linear, Ridge, Lasso), **Classification** (Logistic, SVM, Decision Tree, Random Forest, Naïve Bayes, XGBoost)
✓ **Deep Learning:** ANN, CNN
✓ **SQL:** MySQL, RDBMS, XAMPP
✓ **Data Visualization:** Power BI
✓ **Tools & Technologies:** Jupyter Notebook, Google Colab, Streamlit

Additional Information

✓ **Languages:** English, Hindi, Marathi

PROJECTS

IPL Match Outcome Prediction
Domain: Sports Analytics | GitHub
- Developed a machine learning model to predict IPL match outcomes using historical data, player stats, and match conditions.
- Technologies Used: Python, Pandas, Scikit-learn, XGBoost, Random Forest, Power BI
- Achievements: Improved accuracy by 5% using feature engineering and hyperparameter tuning.

Loan Riskiness Prediction
Domain: Finance | GitHub
- Built an ML model for loan risk classification, ensuring regulatory compliance and document retrieval efficiency.
- Technologies Used: Logistic Regression, XGBoost, Python, Pandas, Scikit-learn
- Achievements: Achieved high ROC-AUC score, improving loan risk classification accuracy.

Metal Defect Detection
Domain: Manufacturing | GitHub
- Developed a CNN-based defect detection system for quality control in metal production.
- Technologies Used: TensorFlow, Keras, OpenCV, CNN
- Achievements: Enhanced defect detection accuracy, reducing false positives in quality inspection.

Certification :

- Data Associate Certification (2024)
- 1st Prize in poster presentation (Post-Graduation Level – 2 Consecutive Years)
- 3rd Place – District-Level Mathematics Quiz Competiton