Yogesh Suryawanshi

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Objective

B.Tech graduate in Artificial Intelligence Data Science with a strong foundation in machine learning, data analysis, and Python programming. Passionate about leveraging AI and data-driven solutions to solve real-world problems and optimize processes. Eager to learn new technologies, enhance my skills in AI/ML development, and contribute to innovative, impactful AI solutions in a collaborative and dynamic work environment. Committed to continuous learning, problem-solving, and making meaningful contributions to the organization's goals.

Education

TPCT's College of Engineering, Osmanabad **Aug 2025**
B.Tech, Artificial Intelligence Data Science, Dharashiv, Maharashtra
CGPA: **7.53**

Puranmal Lahoti Government Polytechnic, Latur **Sep 2022**
Diploma, Information Technology
Percentage: **82.75%**

Internship

Data Science Intern — Rubixe AI & Solutions **Mar 2025 – Aug 2025**

- Worked on data preprocessing, feature engineering, EDA, and ML model development.
- Collaborated with teams to deploy AI-driven solutions and improve model accuracy.
- Tools: Python (Pandas, NumPy, Scikit-learn), SQL, Matplotlib, Seaborn.

Projects

Rice Leaf Disease Detection (CNN, Transfer Learning)

- Built convolutional neural network (CNN) models to classify multiple rice leaf diseases with an accuracy of ∼92%.
- Implemented data augmentation techniques to increase dataset diversity and reduce overfitting.
- Leveraged transfer learning using pre-trained models (e.g., VGG16, ResNet50) to improve model performance.
- Deployed the model pipeline using Python and TensorFlow, enabling real-time disease prediction on new leaf images.

Portuguese Bank Marketing Prediction (Classification)

- Developed machine learning models (Logistic Regression, Random Forest, XGBoost) to predict whether customers subscribe to term deposits.
- Performed extensive feature engineering, encoding categorical variables, handling missing values, and scaling features.
- Optimized model performance using hyperparameter tuning, cross-validation, and evaluation metrics like F1-score, achieving 0.84.
- Analyzed feature importance to provide actionable insights for marketing strategies and decision-making.

Technical Skills

Languages / Libraries:
Python (NumPy, Pandas, Matplotlib, Scikit-learn)

ML / AI:
Supervised / Unsupervised Learning, Deep Learning (CNNs), Transfer Learning

Tools / DB:
MySQL, SQLite, Power BI, Tableau, Git/GitHub, Jupyter Notebook

Concepts:
Data Preprocessing, Feature Engineering, Model Evaluation, EDA

Certifications

IABAC Data Science Professional | Coursera (JHU) Data Scientist's Toolbox | Python for Data Analysis
Accenture Forage (Data Analytics) | British Airways Forage (Data Science) | Advanced NoSQL | Python Essential Training

Languages

English (Proficient) | Hindi (Proficient) | Marathi (Native)

Strengths

- Strong problem-solving skills with analytical mindset. | Eager to learn new technologies and concepts. | Effective communication and teamwork. | Passion for building AI solutions to solve real-world problems.