Prathmesh Mane Deshmukh

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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: **7.29**

Karmayogi Polytechnic College, Pandharpur   **Sep 2022**
Diploma, Computer Technology
Percentage: **73.43%**

INTERNSHIP

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

- Completed a 6-month onsite internship focused on AI & Data Science applications.
- Performed data preprocessing, feature engineering, exploratory data analysis (EDA), and model deployment.
- Built predictive models and collaborated with cross-functional teams to design AI-driven solutions.
- Tools & Tech: Python (Pandas, NumPy, Scikit-learn), SQL, Matplotlib, Seaborn.

PROJECTS

Rice Leaf Disease Detection   (CNN, Transfer Learning)

- Developed a CNN-based classifier for rice leaf diseases (Leaf Blast, Bacterial Blight, Brown Spot).
- Applied data augmentation and transfer learning; **achieved ∼92% accuracy**.
- Tools: TensorFlow, Keras, OpenCV, Python.

Portuguese Bank Marketing Prediction   (Classification)

- Built Logistic Regression, Random Forest, and XGBoost models to predict term deposit subscription.
- Achieved an **F1-score of 0.84** (best model). Performed feature engineering and model evaluation.
- Tools: Scikit-learn, Pandas, Matplotlib.

Customer Transaction Prediction   (Predictive Modeling)

- Implemented models on anonymized banking data to predict customers likely to make future transactions.
- Achieved **ROC-AUC 0.89** and created a pipeline for scoring and targeting customers.
- Tools: Python, Scikit-learn, Pandas, NumPy.

TECHNICAL SKILLS

Languages / Libraries:	**Tools / DB:**
Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn)	MySQL, SQLite, SQL
	Power BI, Tableau, Git/GitHub, Jupyter Notebook
ML / AI:	**Concepts:**
Supervised & Unsupervised Learning, Deep Learning (CNNs), NLP basics	Data Cleaning & Preprocessing, Feature Engineering, ETL processes

CERTIFICATIONS

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

LANGUAGES

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