# PALLAVI JADAR

Linkedin:Pallavi Jadar
GitHub: Link
Email: pallavijadar07@gmail.com
Mobile: +91 9380801462

## EDUCATION

**AMC Engineering College (VTU) - Pursuing** — Bengaluru, India
Master of Computer Applications(MCA); GPA: 8.5 (Upto 2nd Sem) — **February 2024 - November 2025**
**Rani Channamma University Belagavi** — Bagalkote,Karnataka
Bachelor of Computer Applications(BCA); GPA: 8.01 — **June 2021 - October 2023**

## SKILLS SUMMARY

- **Languages**: Python, SQL, JAVA
- **Libraries**: Pandas, Numpy, Matplotlib
- **Frontend**: HTML,CSS,Bootstrap,Javascript
- **Platforms**: Jupyter Notebook, Visual Studio Code
- **Soft Skills**: Quick Learner,Good Debugging Skills, Collaboration and Teamwork, Effective Communication Skills.

## WORK EXPERIENCE

**DATA SCIENCE & MACHINE LEARNING INTERN | ITRNFORTE** — **December 2024 - March 2025**

- Conducted exploratory data analysis on large datasets using Python and Pandas, uncovering trends that informed key business decisions.
- Built and deployed a customer segmentation model using K-Means clustering, improving marketing ROI by 18%.
- Designed interactive dashboards in Tableau, enabling real-time monitoring of KPIs.
- Built and deployed predictive models for sales forecasting, achieving a 15% improvement in accuracy.
- Preprocessed datasets of 500,000+ rows, performing data cleaning, feature scaling, and transformation.
- Developed models using Python libraries like Scikit-learn, TensorFlow, and Pandas.

**ARTIFICIAL INTELLIGENCE INTERN-AICTE | EDUNET** — **November 2024 – December 2024**

- Acquired expertise in AI concepts, including supervised and unsupervised learning, computer vision, and natural language processing.
- Designed and implemented a sentiment analysis model with 85% accuracy using scikit-learn and Python.
- Built an image classification system with CNNs in TensorFlow for real-world application scenarios.
- Collaborated with peers to develop innovative AI solutions under expert mentorship. ○

Awarded certification for successful completion by AICTE.

**JAVA WITH PYTHON INTERN | FUEL** — **October 2022 – November 2022**

- Collaborated on a hybrid data processing application, achieving a 25% reduction in processing time by leveraging Java for backend services and Python for machine learning models.
- Automated [specific task] using Python scripts, reducing manual workload by 40% while ensuring compatibility with the existing Java architecture.
- Led the integration of a Python-based analytics engine with a Java application, improving system insight capabilities by 30%.

## PROJECTS

**Census Income Analysis and Prediction** — **Dec 2024 - Mar 2025**

- Built a machine learning pipeline to predict income levels based on UCI Adult Dataset, achieving 90% accuracy.
- Conducted EDA to identify key demographic factors influencing income.
- Implemented Random Forest and Gradient Boosting models with hyperparameter tuning for optimal performance.
- Utilized Python (Pandas, Scikit-learn) for data preprocessing, model building, and evaluation.

**Temperature Prediction Project** — **Dec 2024 - Mar 2025**

- Achieved 87% prediction accuracy with Random Forest model.
- Implemented an automated pipeline to fetch and update real-time weather data.
- Enhanced forecasting capabilities by integrating multiple features like seasonality and geographic data.

**Spam Detection Engine Project** — **Dec 2024 - Mar 2025**

- Achieved an accuracy of over 95% in spam classification.
- Successfully reduced the number of false positives (non-spam classified as spam) by fine-tuning the model parameters.
- Implemented a scalable system that can be integrated with mobile applications to filter unwanted messages.

**Implementation of ML model for Image Classification** — **Nov 2024 – Dec 2024**

- Accuracy: Achieved an accuracy of 96% on the test dataset.
- Speed: Optimized model inference time for real-time predictions.
- Model Improvements: Fine-tuned the model using techniques like **transfer learning** and **data augmentation**, improving the model's generalization.

## CERTIFICATES

**Front – End Development (Meta) | CERTIFICATE** **Mar 2023**

- Built multiple interactive websites using React and CSS /Grid for responsive layouts.
- Developed a project management app as part of the capstone.
- Completed course with a final project showcasing dynamic content and a clean user interface

**Data Science & Data Analyst (HP) | CERTIFICATE** **Dec 2024**

- Fundamentals of data science and machine learning
- Data visualization best practices
- Techniques for improving data accuracy and quality
- Introduction to business analytics and decision-making