

Om Yogesh Shingare

Pune, Maharashtra, India | +91-9657672742 | omshingare.ss233@gmail.com

[LinkedIn](#) | [Leetcode](#) | [Github](#)

Career Objective

Innovative and detail-oriented AI enthusiast with hands-on experience in Machine Learning, Deep Learning, NLP, and Large Language Models. Skilled in designing, developing, and deploying intelligent solutions that solve real-world problems. Eager to leverage strong analytical, programming, and AI expertise to contribute effectively as an AI Engineer and drive impactful technological solutions.

Education

MSc in Computer Applications

Fergusson College, Pune

2023 – 2026

CGPA: 8.45/10

BCA in Computer Science

Dr Dy Patil Arts Science and Commerce College, Pimpri, SPPU

2020 – 2023

CGPA: 8.92

Technical Skills

- **Languages:** Java, Python, SQL, C++
- **Frameworks & Libraries:** JDBC, Collections Framework, NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn
- **Databases:** MySQL, PostgreSQL
- **NLP & LLM Tools:** Transformers, Hugging Face, LangChain
- **Tools & IDEs:** IntelliJ IDEA, Eclipse, VS Code, Jupyter Notebook, Anaconda, Git, GitHub, Gradle
- **Concepts & Programming:** OOP, DSA, Multithreading, Exception Handling, Data Cleaning, EDA, Data Visualization, Neural Networks, Deep Learning, Embedding Models, Prompt Engineering
- **ML & AI Algorithms:** Linear/Logistic Regression, Ridge & Lasso, KNN, Naïve Bayes, Decision Tree, Random Forest, Ensemble Techniques, SVM, K-Means, DBSCAN, ANN, CNN, RNN

Projects

1. Heart Disease Prediction (Python, Scikit-learn)

- Built a machine learning model to predict the likelihood of heart disease using patient health records.
- Performed data cleaning, feature engineering, and exploratory **data analysis (EDA)**.
- Implemented K-Nearest Neighbors (KNN) algorithm and compared performance with other ML algorithms.
- Achieved high accuracy through data preprocessing, feature selection, and **hyperparameter tuning**.

2. Sentiment Analysis using NLP (Python, Scikit-learn)

- Implemented a **TF-IDF vectorization pipeline** for text preprocessing.
- Trained and evaluated a **Linear SVM classifier** on a Kaggle dataset for sentiment prediction.
- Compared performance with Logistic Regression and Naïve Bayes; achieved **90% accuracy**.
- Tools: Python, Scikit-learn, Pandas, Matplotlib.

3. AI Chatbot using Gradio & OpenAI GPT-4o Mini

- Built a conversational AI chatbot using **Gradio** interface and **OpenAI GPT-o4 Mini model**.
- Implemented **custom prompts** and **contextual memory** for multi-turn dialogue.
- Learned prompt design, response handling, and token optimization.

Tech Stack: Python, Gradio, OpenAI API

Certifications & Learning

- LLM Engineering: Master AI, Large Language Models & Agents (Udemy) — *Ongoing (2025)*
- Machine Learning & Deep Learning Foundations (Coursera)
- Java (Basic) Certification — HackerRank
- Campus Connect Program (BluePineapple 2025) — *Developed SQL Syntax Checker in Java*

Achievements

- Solved **150+ LeetCode problems** across Data Structures and Algorithms.
- Achieved **600+ points** on HackerRank (SQL, Java, Problem Solving).
- Led winning team in **6-week DSA & Project Program (BluePineapple)**.

Soft Skills

Analytical Thinking , Problem Solving , Research Orientation ,Communication , Team Collaboration