[**GAURAV VIJAY JADHAV**](https://portfolio-gaurav-jadhav.streamlit.app/)

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**SUMMARY**

**AI Engineer** skilled in Python, Machine Learning, deep learning, and computer vision with experience in medical imaging and CNN-based modeling. Proficient in Scikit-Learn, TensorFlow, Keras, and OpenCV, with hands-on expertise in MLOps tools like Docker, DVC, and Streamlit. Strong focus on building scalable, explainable, and production-ready AI systems across healthcare and data-driven domains.

**INTERNSHIP EXPERIENCE**

**Data Science Intern – Code B Solutions Pvt Ltd.s**

Remote Internship | Feb 2025 – Apr 2025

* Built a phishing website detection system using machine learning.
* Applied full data science lifecycle: EDA, feature selection, modelling, tuning, and deployment.
* Developed a Streamlit web app for real-time phishing URL classification with version control using DVC.

**CASE STUDY EXPERIENCE**

**British Airways Data Science Job Simulation on Forage (**[certificate](https://bit.ly/gauravjadhavbritishairways)**) April 2025**

* Scraped and analysed customer review data.
* Developed a predictive model to identify drivers of customer purchase behaviour.

**TECHNICAL SKILLS**

* **Languages & Libraries:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, OpenCV
* **Machine Learning & AI:** Scikit-learn, TensorFlow, Keras, CNN, ANN, NLP, LangChain, LLM API
* **MLOps & Deployment**: Docker, MLflow, DVC, GitHub Actions, Streamlit, Flask, Poetry, Ollama
* **Dev Tools & Platforms:** Git, GitHub, DagsHub, Power BI, Advanced Excel, VS Code
* **Core Concepts:** Feature Engineering, SHAP, LIME, CI/CD, RAG, Agentic Reasoning

**PROJECTS**

**Advanced Web-Based Personal AI Chatbot Voice Assistant (**[projectlink](https://github.com/jadhavgaurav/Victus-AI-Assistant)**)**

**📌 Tech Stack: Python, LangGraph, LangChain, Streamlit, edge-tts, ChromaDB, Ollama, Docker**

* Built a production-grade AI assistant powered by a local LLM (LLaMA 3 via Ollama), supporting voice input, natural language interaction, and multi-session memory.
* Implemented modular agent routing using LangGraph and LangChain to handle tools, documents, and reasoning workflows.
* Integrated RAG pipeline with file upload to support document-based Q&A and contextual retrieval.
* Designed a responsive web interface and packaged the entire system in Docker for reliable, cross-platform deployment and local usage.

**Kidney Disease Classification Using Deep Learning (**[project link](https://github.com/jadhavgaurav/Kidney_disease_classification_cnn)**)**

**📌 Tech Stack: Keras, TensorFlow, OpenCV, Docker, MLflow, DVC (GCP), AWS EC2**

* Built a CNN model using VGG16 to classify kidney diseases from CT scan images with high accuracy.
* Used MLflow for experiment tracking and DVC for version-controlled data pipelines.
* Containerized the Flask inference app with Docker and deployed on AWS EC2.
* Automated CI/CD pipeline with GitHub Actions for seamless model updates.

**Phishing Website Detection Using Machine Learning | CodeB Internship (**[project link](https://github.com/jadhavgaurav/CodeB_Internship_Project)**)**

**📌 Tech Stack: Python, Scikit-learn, XGBoost, Streamlit, GridSearchCV, GitHub Actions, DVC (GCP)**

* Engineered 85+ URL-based features and trained an XGBoost model (95.6% accuracy, 0.99 ROC-AUC).
* Applied advanced feature selection techniques (Random Forest, RFE, VIF) for optimal performance.
* Used SHAP and LIME to add explainability and improve model transparency.
* Deployed a real-time Streamlit web app with CI/CD using GitHub Actions and DVC on GCP.

**EDUCATION**

**Bachelor of Engineering (B.E.) in Computer Engineering 7.83 CGPA**

UNIVERSITY OF MUMBAI2024

**Higher Secondary Certificate (HSC) 63.38%**

Maharashtra State Board2019

**PROFESSIONAL COURSES**

**Master in Data Science and Analytics with Artificial Intelligence (**[certificate](https://itvedant.skillsnetwork.site/certificates/92f67078-d820-49ba-9927-a9af42bbf620)**) June 2024 - Jun 2025**

IT Vedant Education | IBM Kalyan

**Certificates**

**IBM Data Analysis with Python (**[certificate](https://courses.itvedant.skillsnetwork.site/certificates/1dcb6593cf8b453a820ae087fef4dfbc)**) October 2024**

**IBM Cloud Essentials (**[certificate](https://courses.itvedant.skillsnetwork.site/certificates/c0aea4075b864cdbb1775c91fe97dc3b)**) June 2025**

**IBM Machine Learning with Python (**[certificate](https://courses.itvedant.skillsnetwork.site/certificates/4b2642327c8a4a67825dc728d15b06c1)**) June 2025**

**IBM Python for Data Science** ([certificate](https://courses.itvedant.skillsnetwork.site/certificates/816c0b582c7d4c139b9206b6ed6d3dc9)) **June 2025**

**Generative AI Fundamentals** (certificate) **June 2025**

Databricks Academy Online Training

**Data Science 360 (**[certificate](https://drive.google.com/file/d/13NMdWbXq3OI-N9PklwkOPo2ZDwrPFjat/view?usp=sharing)**) September 2023 (1 Month)**

FUTURESKILL PRIME Online Training

**ACHIEVEMENTS**

**Paper Publication: *"A Framework to Make Voting System Transparent Using Blockchain Technology".***

* **Journal: *International Journal for Research in Engineering Application & Management (IJREAM)***
* **ISSN: 2454-9150 | Vol. 10, Issue 01, April 2024**
* **DOI:** [**10.35291/2454-9150.2024.0261**](https://ijream.org/papers/IJREAMV10SSJ2411.pdf) **| Paper ID: IJREAMV10SSJ2411**

**VOLUNTEERING**

**National Service Scheme (NSS) | Volunteer (2 Years)**

* Led community development initiatives and participated in leadership training programs.
* Organized and executed social awareness campaigns at the college and local level.

**Association of Computer Engineering Students (ACES) | Head of Technical Committees**

* Managed technical operations for departmental and college-level events.
* Led a team in organizing workshops, hackathons, and coding competitions.