

GAURAV VIJAY JADHAV

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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, modeling, 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](#))

April 2025

- Scraped and analyzed customer review data.
- Developed a predictive model to identify drivers of customer purchase behavior.

TECHNICAL SKILLS

- Languages & Libraries:** Python (Pandas, NumPy, matplotlib, seaborn), SQL, OpenCV
- Machine Learning:** Scikit-learn, TensorFlow, Keras, XGBoost, ANN, CNN, NLP
- MLOps & Deployment:** Docker, MLflow, DVC, GitHub Actions, Streamlit, Flask, AWS EC2, GCP
- Tools & Platforms:** Git, GitHub, DagsHub, Power BI, Advanced Excel, PowerPoint
- Concepts:** Feature Engineering, Model Explainability (SHAP, LIME), CI/CD, RAG (LangChain)

PROJECTS

Jarvis-AI – Offline Personal AI Powered Voice Assistant

🔥 Tech Stack: Python, Vosk, pyporcupine, LangChain, Ollama, TF-IDF, Logistic Regression

- Developed an offline AI assistant using Python, Vosk, and pyporcupine for voice and wake-word recognition.
- Implemented intent classification with TF-IDF + Logistic Regression and skill-based command execution.
- Integrated LangChain + Ollama + ChromaDB for Retrieval-Augmented Generation (RAG) capabilities.
- Enabled context-aware question answering and multi-functional voice commands.

Kidney Disease Classification Using Deep Learning ([project link](#))

🔥 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](#))

🔥 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 MUMBAI	2024
HIGHER SECONDARY CERTIFICATE (HSC)	63.38%
Maharashtra State Board	2019

PROFESSIONAL COURSES

Master in data science, Data Analytics with Artificial Intelligence (certificate)	June 2024 - Jun 2025
IT Vedant Institute	Kalyan

CERTIFICATES

Data Analysis with Python (certificate)	October 2024
IBM Developer Skills Network, IT Vedant Institute	Kalyan
Data Science 360 (certificate)	September 2023 (1 Month)
FUTURESKILL PRIME	Online Training
Generative AI Fundamentals (certificate)	June 2025
Databricks Academy	Online Training

ACHIEVEMENTS

Research Paper Publication: "A Framework to Make Voting System Transparent Using Blockchain Technology"
• Journal: <i>International Journal for Research in Engineering Application & Management (IJREAM)</i>
• ISSN: 2454-9150 Vol. 10, Issue 01, April 2024
• DOI: <u>10.35291/2454-9150.2024.0261</u> 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.