

## Jibraan Attar

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## AI/ML Engineer

### Professional Summary

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Postgraduate in M.Sc. Data Science from Department of Technology Savitribai Phule Pune University with a strong foundation in Statistics and hands-on expertise in ML, DL, Computer Vision, Gen AI and data visualization. Skilled in Python, SQL, Power BI, and passionate about building real-world AI applications and end-to-end project

### Education

#### Savitribai Phule Pune University

MSc in Data Science | CGPA: 9.64

(July 2023 – Sept 2025)

#### Modern College, Pune, Maharashtra

BSc in Statistics | CGPA: 8.65

(July 2020 – April 2023)

### Work Experience

#### Data Specialist Intern - SkillReigns Technologies, Pune | Feb 2025 – Apr 2025 (Hybrid)

- Assisted in data preprocessing, cleaning, and feature engineering to prepare datasets for machine learning models.
- Applied machine learning and statistical concepts for model development, training, and performance evaluation under supervision.
- Collaborated with the team to implement and optimize data-driven solutions aligned with project and business goals.

### Projects

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#### Crack Detection and Severity Classification using YOLOv5 and ResNet18- Masters Dissertation

- Developed real-time crack detection tool using YOLOv5 and ResNet-18.
- Classified cracks as Mild, Moderate, or Severe and deployed with a Streamlit-based UI supporting video uploads. Deployed on Hugging Face Spaces.
- Achieved accuracy of 93% for ResNet-18 used for classification and 85% for YoloV5.
  - **Text-to-Image Generator using Stable Diffusion - Self-Driven Project**
- Developed an interactive AI application that generates high-quality images from natural language prompts using the Stable Diffusion model.
- Implemented with PyTorch, Diffusers, and Gradio, the system allows customizable parameters such as inference steps, guidance scale, and image resolution.
- Deployed the model with optimized GPU inference for efficient and scalable image synthesis, showcasing deep learning and prompt engineering skills in generative AI.
  - **Brain Tumor Classification (CNN + Gradio) – Self-Driven Project:**
- Trained a VGG-16 Convolutional Neural Network (CNN) on MRI brain scan images for tumour classification with high accuracy of 90 %. Deployed on Hugging face Spaces.

### Skills

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Statistics, Machine Learning, Deep Learning, Computer Vision, NLP, Data Preprocessing, and Model Optimization. Proficient in Python, SQL, TensorFlow, PyTorch, and Scikit-learn, with experience in data visualization using Power BI, Tableau, R-program, MS-Excel, Matplotlib, and Seaborn. Hands-on with deployment tools like Streamlit, Gradio, Hugging Face, Docker, and GitHub Actions.

### Certifications

Python for Data science – NPTEL | Microsoft Azure Essentials – Great Learning | Foundation Data analytics | Udemy