SHEIKH OBAID ULLAH

Data Scientist

✉ sheikh_obaid.ullah@centrale-med.fr
🔗 https://github.com/obaid-02?tab=repositories
📞 +33 07 44 96 90 37
📍 Nice, France
🔗 https://www.linkedin.com/in/sheikh-obaid-ullah-aa7a262b2/

EXPERIENCE

Project Intern
Dispers, ESA   12/2024 - Present   Nice, France

- Developed MLOps pipeline for galaxy spectra classification using DVC, GitHub, and MLflow, processing **1,000 Hubble Space Telescope** images with the YOLO model.
- Achieved initial classification accuracy of **50%**, optimizing the pipeline for scalable and efficient model training.

Project Intern
Airbus Helicopters   10/2024 - 12/2024   Nice, France

- Increased dataset size by **518%** using advanced augmentation techniques, including rotation, filtering, and flipping
- Enhanced defect detection by training ResNet+U-Net, achieving **69.9%** accuracy for **Defect 1** and **79.8%** for **Defect 2**, with prediction times of 479ms and 450ms respectively.
- Achieved better results with YOLOv11, detecting **Defect 1** with **99.5%** accuracy (confidence: 0.7, 304ms) and **Defect 2** with **100%** accuracy (confidence: 0.5, 320ms).
- Boosted production throughput by **~70%** by automating defect detection and reducing human dependency.

PROJECTS

Drone Automation, Image Processing for Drone Navigation
12/2023 - 02/2024   Hyderabad, India

- Captured high-resolution images of **6** coconut farms by utilizing drone technology
- Applied HSV color extraction to detect coconut trees with an initial **76.5%** accuracy
- Trained a custom YOLOV8 model, achieving **89.4%** accuracy in recognizing coconut trees

Prediction of Wild Blueberry Yield, ML Model for Prediction
05/2023 - 06/2023   Hyderabad, India

- Developed a predictive model for Wild Blueberry Yield using the **XGBoost** algorithm, achieving a **mean absolute error of 339.441**, demonstrating model accuracy
- Utilized **feature extraction techniques**, including **heatmap analysis**, to identify significant predictors for yield estimation.

SKILLS

Artificial Intelligence	**Computer Vision**	**Image Processing**
Deep Learning	**OpenCV** **HTML** **Java**	**DBMS**
Android Studio	**Flask** **Machine Learning**	**Computer Science**
BERT **Pytorch**	**Matplotlib** **MLOps** **NLP**	**Numpy**
Github **Pandas**	**Dash** **Python**	**TensorFlow**
Scikit-learn **Seaborn**	**Visual Studio Code** **SQL**	**LLM**

SUMMARY

Data science professional with over a year of experience in machine learning and MLOps, expert in Python and deep learning. I have hands-on experience in building predictive models, optimizing algorithms, and implementing AI-driven solutions for business problems.

EDUCATION

Post Graduate (Bac+5) in Artificial Intelligence
Centrale Méditerranée
09/2024 - Present   Marseille/Nice, Frace

- Completed Coursework: **Deep Learning, NLP, Data Analysis, Quantum Computing, Computational Mathematics**

Bachelor of Technology (Bac+4), Computer Science Engineering
École Centrale Mahindra
08/2021 – 08/2025   Hyderabad, India   GPA **8.87** / 10

- Completed College-level Coursework: **Machine Learning, DBMS, Optimization techniques of AI, Probability and Statistics.**

Baccalauréat Scientifique Indien
OPG World School
05/2019 - 05/2021   Delhi, India

LANGUAGES

English	Proficient	●●●○
Urdu	Native	●●●●●
Hindi	Advanced	●●●○○

CERTIFICATION

Graphics & Vision Summer School
CSE Department, IIT Delhi

Computer Vision Driven UAV Applications in Precision Agriculture
Indian Institute of Information Technology, SriCity

HOBBIES

Sports, Poetry, Coding Projects