

Moutasim Qazi

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GitHub - [MoutasimQazi](#)

Portfolio - [Moutasim's Portfolio](#)

EDUCATION

Course	University	Year	Current Semester
BTech in Artificial Intelligence & Data Science	Dr Babasaheb Ambedkar technological university (N. K. Orchid College of Engg. & Technology, Solapur)	2022-2026 (expected)	5 th Semester

EXPERIENCES

- **EMINENCE INTERN** (17th Aug 2023 – 22nd Aug 2023)
 - Completed a one-week internship focused on corporate skills.
- **OPEN-SOURCE CONTRIBUTOR** (31st Jan 2023 - Present)
 - Contributing to open-source projects, fostering community engagement, and promoting tech development.

PROJECTS

- ❖ **Bustard-Vision Machine Learning Model**
 - **Key Skills:** Machine Learning, YOLO v8 & CNN
 - **Description:** Trained YOLOv8n model on Great Indian Bustard data for precise object detection, demonstrating 62.815% precision and 68.333% recall with a compact 640-pixel model.
 - **GitHub Link:** [Bustard-Vision](#)
- ❖ **Mentoso - Personalized Mental Health Identification and Counselling Assistant**
 - **Key Skills:** Machine Learning, JavaScript, HTML, CSS
 - **Description:** Provides a Mental Health Detection Assessment for further consultation from Mentoso.
 - **Project Link:** [Mentoso](#) or [Mentoso Online](#)
- ❖ **HackathonToolkit**
 - **Key Skills:** Python, Model building, training, and evaluation, Data preprocessing and augmentation, Simplified methods for API integration, Data visualization tools, enhancing teamwork and communication, Streamlining application and model deployment.
 - **Description:** Hackathon Toolkit is a Python library that simplifies hackathon projects with utilities for setup, API interaction, data handling, machine learning, and deployment, boosting productivity and innovation.
 - **Project Link:** [HackathonToolkit](#)

RESEARCH

- ❖ **Leveraging Satellite Nighttime Light Imagery and Neural Networks for Predictive Urbanization and Business Mapping: Challenges, Applications, and Future Directions.**
 - Accepted for presentation at ADCIS 2024 and publication in the proceedings to be published in the Scopus-indexed Springer Book Series.
- ❖ **Utilizing Large Language Models & Live Audio Integration for Customized & Adaptive Educational Assessment.**
 - Ready for publication and currently seeking a journal for submission.

KEY SKILLS

- **Technical Skills:** Large Language Models (GPT, BERT, Transformer Models), Machine Learning (Deep Learning, Neural Networks, RNN, LSTM, Attention Mechanism, Transfer Learning), Natural Language Processing (NLP) (NLTK, SpaCy, Hugging Face Transformers), Programming Languages (Python, TensorFlow, PyTorch, Keras, R, Java, C++, Julia), Tools and Frameworks (Jupyter Notebooks, Scikit-learn, OpenAI API, Google Cloud AI, AWS Machine Learning, Microsoft Azure AI, Docker, Kubernetes, Git)
- **Data Skills:** Data Preprocessing, Data Augmentation, Data Analysis, Data Visualization, Big Data Technologies (SQL, NoSQL)

EXTRA CURRICULAR ACTIVITIES

- **Technical Lead.** (Present)
 - **Genesis** – An Open-Source Community. [Website](#)(created by me)
- **Volunteer.**(2024 Chapter)
 - Google Developers Student Club (GDSC) NKOCET. [Chapter](#)
- **AI READS** LinkedIn Newsletter
 - [LinkedIn Newsletter Link: AI Reads Newsletter](#)