Krishna C. Malode

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EDUCATION

MET Institute of Engineering, Bhujbal Knowledge City **Nashik, Maharashtra**

B.E. in Information Technology *Expected Graduation, May 2026*

- **GPA:** 8.7/10
- **Related Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, Machine Learning, Web Development, Object-Oriented Programming

INDUSTRY INTERNSHIPS & CERTIFICATIONS

Altair × RapidMiner — Data Science Virtual Internship **Remote**

Jan 2025 –Mar 2025

● *Completed an 8-week program covering CRISP-DM, data engineering, machine learning, deployment, and dashboards (Weeks 1-9)*

● *Earned seven RapidMiner certificates: Applications & Use Cases – Professional, Applications & Use Cases – Master, Data Engineering – Professional, Data Engineering – Master, Machine Learning – Professional, Machine Learning – Master, Platform Administration – Master*

Google AI/ML Virtual Internship (AICTE × EduSkills) **Remote**

Jul 2024 –Sep2024

● Completed six TensorFlow-based codelabs (neural networks, object detection, product-image search, image classification) and earned all associated Google Developer badges

Certificate for the Completion of Python 3.4.3 Training (Spoken Tutorial) *Feb 2025*

PROJECTS

Math & Data Assistant Web App **Remote**

May 2025 – Present

● Built an interactive Streamlit web app using LangChain and Google Gemma 2 model to solve math problems and retrieve factual data

● Integrated tools such as LLMMathChain for calculations and WikipediaAPIWrapper for real-time knowledge search

● Designed a custom LLM reasoning chain with PromptTemplates for step-wise problem solving and logic-based responses

● Enabled dynamic user interaction through session state tracking and Streamlit's chat interface

Twitter Sentiment Analysis NLP Model **Remote**

Apr 2025 – May2025

● Built a sentiment classification model using Python, NLTK, and Scikit-learn to analyze tweets from a labeled dataset

● Applied NLP techniques like tokenization, stemming, lemmatization, and TF-IDF vectorization for text preprocessing

● Trained and evaluated multiple classifiers (Naive Bayes, Logistic Regression, Decision Tree, Random Forest) to compare accuracy

● Achieved effective classification and generated performance reports using confusion matrix and classification metrics

HACKATHON IDEA

Lunar PSR Image Enhancement and Resource Mapping using AI/ML

Dec 2024

• Proposed an AI-based solution to enhance lunar PSR images from Chandrayaan-2 using CNNs, GANs, and autoencoders in TensorFlow/PyTorch. Integrated spectral analysis and mapping tools (QGIS, ENVI) to detect water ice and generate detailed PSR maps. Deployed on cloud platforms (AWS/GCP) for scalable processing, supporting future lunar mission planning.

SKILLS

Programming: Python, JavaScript, HTML/CSS, SQL, Node.js, React.js , C++

Tools: VsCode, PyCharm, AWS, Jupyter Notebooks, Git, Bootstrap, Anaconda Navigator, Jupyter Notebook, JupyterLab, Spyder, RStudio, and Visual Studio Code