Mokshad Sankhe

AI / ML Developer

+91 8446542347 ◇ mokshadsankhe@gmail.com ◇ LinkedIn ◇ GitHub ◇ Portfolio

SUMMARY

Enthusiastic AI & Data Science student passionate about applying machine learning and AI to solve real-world challenges. Skilled in Python, Java, and Android development with hands-on experience in building web applications and ML models. Known for effective leadership and team collaboration, with a strong background in technical event organization.

EXPERIENCE

Artificial Intelligence and Machine Learning Intern May '24 — Jun '24
Kodacy Remote

- Completed a 30-day internship focused on AI/ML concepts and Python programming, working on hands-on projects including a chatbot and game development using the Minimax algorithm.
- Built machine learning models like decision trees and random forests to solve problems such as Chicken Crossing and other real-world challenges.

Robotics Intern Nov '23 — Dec '23
Kodacy Remote

- Participated in robotics-based projects, enhancing skills in hardware integration and basic robotics programming.

Machine Learning Intern Jun '23 — Jul '23
Intrainz Remote

- Developed Python-based machine learning models for fraud detection using 50K+ records, optimizing predictive accuracy.
- Created interactive Jupyter notebooks to provide detailed visualizations and insights into fraud detection patterns.

Android Development Intern Aug '21 — Sep '21
Rely Service, Remote Remote

- Developed two real-world Android applications, a To-Do List app and a Flashlight app, utilizing Java, XML, and SQLite for local data storage.
- Implemented user-friendly designs and optimized app functionalities, focusing on intuitive UI/UX.

EDUCATION

Bachelor of Engineering (B.E.) in Artificial Intelligence & Data Science (GPA: 8.14) Vasai, India

- Focused on developing core competencies in artificial intelligence, machine learning, and data science through practical and theoretical learning.

Diploma in Information Technology (GPA: 87%) Jun '19 — Jun '22
Kandivali, India

- Gained a strong foundation in programming, software development, and database management.

Maharashtra State Board of Secondary And Higher Secondary Education (GPA: 76.60%) Virar, India

- Focused on building fundamental skills in mathematics, science, and technology.

PROJECTS

Image Encryption and Decryption (B.E. Project, 3th Semester) Link

- Created a Java application with a GUI to allow users to encrypt and decrypt images efficiently.
- Employed the XOR algorithm for encryption, enhancing data protection.
- Focused on a user-friendly GUI design for straightforward functionality, ensuring accessibility for all users.

Volume Gesture and Audio Controller Link

- Won First Consolation Prize at Technofest-2022 for developing an innovative gesture-based audio controller.
- Used gesture recognition to allow intuitive volume adjustments without physical interaction.
- Developed and tested for practicality, aiming to enhance accessibility and ease of use in audio management.

Toxic Comments Classification Link

- Developed a Flask-based web application for real-time detection of toxic language using NLP and machine learning.
- Designed and implemented a data preprocessing pipeline using tokenization, TF-IDF vectorization, and machine learning classification.
- Integrated a user-friendly web interface with Flask and HTML for seamless user interaction and instant toxicity classification.

Age and Gender Detection using CNN Link

- Built a Convolutional Neural Network (CNN) model for classifying age and gender from facial images with high accuracy.
- Developed a cross-platform mobile app using Flutter for real-time image classification via live camera feed or uploaded images.
- Utilized OpenCV and TensorFlow for image pre-processing and deep learning model training.

- Enabled demographic analysis capabilities and personalized marketing by embedding a user-friendly GUI interface and data visualization features.

Thyroid Disorder Risk Assessment Link

- Created a mobile app using Flutter and FastAPI to assess thyroid disorder risk based on user symptoms and medical history.
- Developed a machine learning backend using Python and MongoDB to predict thyroid health risks, providing real-time results and tailored recommendations.
- Designed a secure and intuitive user experience with features like historical records, risk level assessment, and educational resources.

CERTIFICATIONS

Machine Learning 101 Course — Jun '24
Guvi

Java Programming Fundamentals — Dec '23
Infosys

Generative AI Workshop — Oct '23
NxtWave

Wondershare Filmora X Video Editing Online Course — Aug '23
udemy

Illustrator MasterClass — Jun '20
Udemy

SKILLS

Programming Languages: C, C++, Java, Python
Database Management: MySQL, MongoDB
Web Technologies: HTML, CSS, ReactJS, Nodejs, Bootstrap
Python Artificial Intelligence, Machine Learning, Deep Learning
Interpersonal Skills: Leadership, Creativity, Project Management, Team Work, Time Management

VOLUNTEERING

Technical Head, VCET-NSDC — Jun '24 — Present
As the Technical Head at VCET-NSDC since June 2024, I have been responsible for leading major technical initiatives, including organizing flagship events like TechX and the Code-O-Fiesta Hackathon. Additionally, I coordinated various webinars aimed at sharing insights on emerging technologies, enhancing the committee's outreach and technical engagement.

Deputy Technical Head, (VCET-NSDC) — Sep '23 — May '24
I served as the Deputy Technical Head from September 2023 to May 2024, where I contributed to organizing multiple events, such as TechBlitz and Code-O-Fiesta Hackathon. My role also involved developing the committee's website to streamline event promotion and provide participants with easy access to informations.