

SACHET UTEKAR

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EDUCATION

University of Michigan-Dearborn | Dearborn, MI

Master of Science in Artificial Intelligence | Expected Graduation: May 2026

University of Mumbai (UoM) | India

Bachelor of Engineering in Electronics & Computer Science (Majors – CS) | Graduation: Aug 2024

EXPERIENCE

Digirise Infolabs | Machine Learning & Data Science Intern

Aug 2023 – Sep 2023

- Built and optimized machine learning models for data analysis tasks, improving accuracy by 15%.
- Applied Python libraries (NumPy, Pandas) and deep learning frameworks like TensorFlow and Keras for models.

Microsoft | Future Ready Talent Intern (Remote)

Sep 2021 – Dec 2021

- Developed and deployed analytical solutions using SQL and Power BI, streamlining data visualization processes.

The Sparks Foundation | Data Science and Business Analyst Intern

Jul 2021 – Aug 2021

- Analyzed large datasets and implemented models for customer segmentation with Python.

PROJECTS

AI System to Prevent Distracted and Drowsy Driving

UM-Dearborn (ECE-579)

- Designed an AI-powered system using Deep Learning and Computer Vision to detect driver drowsiness in real-time.
- Implemented models with TensorFlow/Keras for behavior monitoring and alert mechanisms.

DermAI | AI Dermatology Chatbot

BE, UoM

- Built a deep learning model for skin-disease classification using CNN and image datasets.
- Co-authored a research paper on an AI-based dermatological diagnosis and patient-interaction system.

Automating Dataset Retrieval Using Kaggle API | Seamless dataset downloading and management.

Personal

TECHNICAL SKILLS

Programming: Python, SQL, C, C++

Libraries/Frameworks: TensorFlow, Keras, NumPy, Pandas, Scikit-learn, OpenCV

Tools: PyCharm, Jupyter Notebook, Power BI, Git, AWS, Google Cloud.

Certifications: Google Data Analytics Professional Certificate, Intro to TensorFlow, Generative AI by LLMs – DeepLearning.AI, Machine Learning A-Z by Udemy, Build Your Generative AI Productivity Skills with Microsoft and LinkedIn Professional Certificate.

LEADERSHIP

President | ACM Student Chapter

Sep 2024 – Present

- Organizing events and initiatives to promote student participation in ICPC competitions and tech workshops.
- Leading collaboration with faculty and peers to build a strong coding culture on campus.

SIES GST Student Council | Class Representative, Student HOD Nominee & T&P Head Coordinator | 2020 – 2024

- Facilitated student-faculty communication and coordinated placement drives for final-year students.

PUBLICATIONS

- **Derm AI:** An Innovative AI-Driven Chatbot for Enhanced Dermatological Diagnosis and Patient Interaction, **IJEEI**
- **Enhancing Ocular Health:** Investigating A CNN Model for Cataract Diagnosis Using Eye Fundus Images **IJIRSET**