

HARSH MAHESH TIKONE

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INTERNSHIP EXPERIENCE

Tata Consultancy Services

Thane, Maharashtra, India

Project Intern

Jan '25 - Mar '25

- Developed a Video KYC solution using Azure Face API, Blob Storage, and Azure Vision Services, processing customer video sessions to automate identity verification and document text extraction with approximately 95% accuracy.
- Designed and implemented a Value Asset Evaluation module using ML models and Azure Machine Learning, reducing manual effort by 60% and improving asset risk assessment turnaround time by approximately 40%.
- Integrated 6+ Azure services to create a secure, end-to-end KYC and evaluation pipeline, handling large-scale data and ensuring compliance across multiple regions.

TRRAIN Circle Technologies Pvt. Ltd.

Mumbai, Maharashtra, India

Machine Learning Intern

May '24 - Aug '24

- Built a "Shelf Analysis" tool with CNN, classifying 300,000+ entries into more than 30 categories for efficient data organization.
- Conducted location feasibility for Kirana stores using Google Maps API, implementing more than 10 criteria to assess suitability and market share.

RESEARCH / PROGRAMMING ACTIVITIES

- **Presented** a FULL length Research Paper on the topic “**AI-Powered Research Paper Assistant: Automating Summarization, Evaluation, and Multi-Guideline Formatting**” in International Conference on Intelligent Computing and Networking (ICICN 2025)
- **Presented** a FULL length Research Paper on the topic “**A Systematic Literature Review on Multimodal Conversational System: A Deep Dive into Image-Integrated Chat Generation Methods**” in the International Conference on Intelligent Computing and Networking (ICICN 2024)
- **Presented** a SHORT length Research Paper on the topic “**Virtual Assistant**” in the International Conference on Intelligent Computing and Networking (ICICN 2023)
- Speaker in the peer learning session conducted by SUPER AI COMMUNITY STAKEHOLDER CONNECT
- 5 star in Hacker Rank (Python, Problem Solving), 3 star in Codechef.

SKILLS

Programming: Python, C, C++, HTML, CSS, MATLAB, Numpy, Pandas.

Technical/Programmatic: Data Structures and Algorithms, Machine Learning, Deep Learning, Data Preprocessing, Computer Vision, Natural Language Processing, Tensorflow, Scikit-learn, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft Azure.

Platforms: Windows, MacOS, Linux.

PROJECTS

Research Paper Analysis and Formatting Tool

- **Tools:** Python, PyPDF4, NLP techniques.
- Processed and formatted research papers to meet specific journal requirements with 95% compliance accuracy. Implemented an automated summarization system, reducing manual screening time by over 70%. Enhanced efficiency for research paper submission and analysis workflows through end-to-end automation.

Shelf Analysis Tool

- **Tools:** Python, CNN, Computer Vision Techniques.
- Developed a shelf analysis tool for Kirana Friends, classifying a dataset of 300,000–500,000 entries into 30+ categories. Utilized CNN classification and computer vision to capture images and verify shelf placement accuracy, optimizing product organization and enhancing store efficiency.

EDUCATION

Thakur College of Engineering and Technology

Mumbai, Maharashtra, India

B.Tech in Artificial Intelligence and Machine Learning

Jun '21 - Jul '25

- CGPA: 9.68
- **Concentrations:** Artificial Intelligence and Machine Learning.
- **Related Coursework:** Natural Language Processing, Computer Vision, Predictive Analytics, Neural Networks & Deep Learning, Data Structures & Algorithms, Probability & Statistics, Cloud Computing & Big Data, Software Engineering, Ethics in AI.