

DAKSH VYAWHARE

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PROFILE SUMMARY

Pre-final-year B.Tech Electrical Engineering student at IITRAM, focused on applying deep learning and computer vision to healthcare and signal processing. Experienced in leading funded research, publishing in journals/conferences, and filing patents. Proficient in Python, TensorFlow, and scientific computing.

EDUCATION

Bachelor of Technology (*Electrical Engineering with micro-specialization in AI-ML*) (Aug 2023 - May 2027)
Institute of Infrastructure, Technology, Research And Management, Ahmedabad **Current CPI: 9.64**

PUBLICATIONS

- **Differential Protection of Power Transformers using DWT and CNN.** *TPEC 2025, Texas.* Daksh Vyawhare, Jetal Chaudhari et al. [Link](#)
- **Cu-Complex Encapsulated Hybrid Catalyst for Reaction Prediction using ML.** *ChemPhysChem*, 2025. Rohit Prajapati, Jetal Chaudhari, Parikshit Paredi, Daksh Vyawhare, et al.. [Link](#)
- **Automated Detection of PLM using EMG Signal and CNN.** *ICCCNT 2025, IIT Indore (Accepted & Presented).* Daksh Vyawhare, Hardik Telangore, Manish Sharma, et al.

PROJECTS ONGOING

- **System and Method for Assessing Asthma from Exhalation Air through Deep Learning**
Team Leader — Funded under SSIP — Patent filed: **Application No. 202521059524** Oct 2024 – Present
- **End-to-End CVMI Stage Classification via Vertebrae Segmentation and Deep Learning from Lateral Cephalograms**
Jan 2025 – Present

CERTIFICATIONS

- **Machine Learning with Python – IBM** (Coursera) [Certificate Link](#) Jan 2025

SKILLS

- **Languages:** Python, SQL
- **Soft Skills:** Team Management, Collaboration
- **Data Analysis & Visualization:** NumPy, Pandas, Matplotlib
- **Machine Learning:** Clustering, Regression, Classification, TensorFlow

ROLES AND RESPONSIBILITIES

- Student Coordinator of Avish Club, IITRAM Aug 2024 – July 2025
- Member of Dayatva, IITRAM Feb 2024 – Present

REFERENCES

- | | |
|---|---|
| • Dr. Rahul Kumar
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