

ABHAY PISHARODI

M.Tech Student, IIT Gandhinagar
[Mail](#) ◇ [Linkedin](#) ◇ [Github](#) ◇ [Portfolio](#)

EDUCATION

Masters in Artificial Intelligence, IIT Gandhinagar	2024 - Present
Bachelors in Computer Engineering (AIML), Silver Oak University	2020 - 2024

EXPERIENCE

TA, EM 619: Machine Learning and Predictive Analytics (eMasters) IIT Gandhinagar	Jan 2025 - May 2025 <i>Gujarat, India</i>
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- Guiding professionals through core ML concepts and conducting viva assessments.

Intern, AI Technology: Delivery and Support Sahana Systems Limited	Jan 2024 - May 2024 <i>Gujarat, India</i>
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- Developed real-time object detection systems using YOLO and OpenCV, achieving 92% accuracy.
- Designed intelligent chatbots using LLMs, reducing response time by 40%.

PROJECTS

VayuBuddy: LLM powered Chatbot for Air Quality insights with code generation, function calling, and structured data processing. Currently developing AQBench for benchmarking LLMs on air quality analysis.

StoryForge AI: Built an AI-powered storytelling platform for ES667 Deep Learning course with teammates. System generates stories from keywords, creates relevant images, converts text to audio, and produces complete movie videos.

Traffic Congestion Analysis: Created congestion maps for Mumbai, Delhi, Bangalore, Chennai, Kolkata, and Ahmedabad using Mapbox and Google Maps data at Sustainability Lab, IIT Gandhinagar.

Smoking Detection: Real-time smoking detection system using computer vision and deep learning for workplace safety monitoring.

PixEnchar: Image enhancement tool using ESRGAN and Generative AI to upscale low-resolution images.

Abusive word Detection: Automated censorship system using video-to-audio conversion and Hugging Face NLP models.

SKILLS

Languages	Python, SQL
Frameworks	PyTorch, TensorFlow, OpenCV, Hugging Face
Cloud	AWS (S3, Lambda, RDS), Google Cloud Platform
Tools	Git, Docker, Jupyter
Technical	ML, Computer Vision, NLP, Reinforcement Learning
Soft Skills	Communication, Problem-Solving, Leadership

CERTIFICATIONS

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| Google Cloud Fundamentals: Core Infrastructure, Coursera | <i>Jul 2022</i> |
| Essential Google Cloud Infrastructure: Core Services, Coursera | <i>Aug 2022</i> |

VOLUNTEERING EXPERIENCE

IEEE Member (2021 – Present): Advisory Member (2024 – Present), Former Chairperson (2023 – 2024), Secretary (2022 – 2023) of Silver Oak University IEEE Student Branch. Section Representative for IEEE Gujarat Section at IEEE India Council Newsletter (2022 – 2023).