

KEDAR KULKARNI

+91 9819633521 kedarmakulkarni@gmail.com [linkedin.com/kedar-kulkarni1204](https://www.linkedin.com/kedar-kulkarni1204) github.com/Bad-Astronomer

Education

K.J. Somaiya College of Engineering

Bachelor of Technology in Computer Science

October 2021 – May 2025

Mumbai, Maharaashtra

CGPA

CGPA: 9.65/10.00

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Operating System
- Software Engineering
- Database Management
- Data Science
- Computer Networks

Experience

DeepCytes.io

Machine Learning Intern

September 2023– Present

Mumbai, Maharashtra

- Worked with applications of Deep Learning in the Cyber Security Domain
- Researched and Implemented Deepfake Detection models

K.J. Somaiya College of Engineering

Frontend Lead

Jul 2023 – Present

Mumbai, Maharashtra

- Created a new Learning Management System under Prof. Umang Patel.
- Made intuitive and responsive UI using React, Tailwind and Django.

K.J. Somaiya College of Engineering

Adversarial Machine Learning Intern

Aug 2022 – Jul 2023

Mumbai, Maharashtra

- Specialized in adversarial machine learning during internship under Prof. Umang Patel.
- Proficient in feature extraction and model training in ASR and Speech-to-Text models.

Projects

COLORCRAFT AI | *PyTorch, NextJS, FastAPI, Web3Auth, Metamask*

March 2024

- Creating and training a diffusion based model to colourise black and white images guided by a text prompt.
- Developed a modern, responsive user interface utilizing Next.js and Tailwind CSS for frontend design.
- Integrating web3auth for blockchain-based digital identity verification and NFT support within the system.

PODKASHVANI | *React Native, Firebase, Flask*

March 2024

- Engineered an app converting PDFs into entertaining podcasts, featuring a customizable host and guest.
- Generated AI voiced podcasts using Amazon Polly and Google Gemini with SSML tokens for emotions.

V-PET | *Python, Fast API, Javascript*

January 2024

- Led the development of a virtual pet web app with a standout UI.
- Implemented sentiment analysis functionality to dynamically adjust pet animations based on users' emotions for personalization.
- Incorporated speech input feature to facilitate ease of use, allowing users to interact with the virtual pet through voice commands

Technical Skills

Languages: Python, Javascript, NextJS, Tailwind, Java, C, SQL

Developer Tools: VS Code, Google Colab, Docker, Expo

Technologies/Frameworks: GitHub, PyTorch, TensorFlow, Keras, HuggingFace, Metamask, Vercel

Leadership / Extracurricular

Somaiya Machine Learning Research Association(SMLRA)

Community Mentor

August 2023– Present

Mumbai, Maharashtra

- Actively conducting and promoting research in the field of machine learning and artificial intelligence
- Conducting offline and online sessions on research papers in the field of machine learning.

Somaiya Machine Learning Research Association(SMLRA)

AI Promoter

August 2022– July 2023

Mumbai, Maharashtra

- Conducted offline and online sessions on basic machine learning and deep learning algorithms and generative AI