

# Kaivalya Kishor Dixit

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## EDUCATION

**New Jersey Institute of Technology**  
M.S. Data Science

December 2025  
Current GPA: 4.0/4.0

**Mahindra Ecole Centrale**  
B.Tech Electrical and Electronics Engineer

June 2023  
GPA: 3.54/4.0

## COURSEWORK

**Courses:** Machine Learning, Introduction to Big Data, Python and Mathematics for Machine Learning, Linear Algebra, Deep Learning, Probability & Statistics

**Awards:** Matvy Consultancy Program and IIM Bangalore · Matvy Consultancy Program, Kaggle · Kaggle Machine Learning

## SKILLS

**Languages:** Python, SQL, Basic Java, JavaScript, Basic C, HTML/CSS,  $\text{\LaTeX}$

**Tools:** Git/GitHub, Unix Shell, VS Code, IntelliJ, Vim, bash, zsh, Linux, AWS

**Frameworks:** React, Node.js, Flask

**Libraries:** Pytorch, Tensorflow, Pandas, NumPy, Matplotlib, ScikitLearn

## PROJECTS

**Implementation of Convolutional KANs** | *Pytorch, Pandas, NumPy, Pyplot, VS Code* Aug 2024

- Trying to implement Convolutional Kolmogorov-Arnold Networks (KANs) with and without the Pytorch library.
- Trying to resolve some of the current issues with Convo-KANs like:
  - \* Higher time per epoch
  - \* Trying out on different datasets
- Different KAN architectures to optimize it further

**AR Smart Helmet** | *ESP32, APIs (Google Maps), Git, Unix Shell, VS Code* Dec. 2022

- Team project for BTech final year.
- Designed and built an AR capable smart helmet with: on screen navigation, on board diagnostics, accident detection.
- using Bluetooth low-energy and local wifi hotspot.

**CovUnite** | *Git, Unix Shell, VS Code* April 2021

- Developed a full-stack website to connect people with needs to NGOs, hospitals and people with resources.
- Worked with HTML, CSS, Bootstrap, JavaScript, Google Sheets API and Figma

## EXPERIENCE

**Dassault Systems** | *Data Analyst Intern* Jan. 2023 – July. 2023

Final semester internship at Dassault Systems. Developed a data analysis dashboard for the Conversion Admin Service using Java to build a data pipeline and in-house services to build the visualization dashboard.

**Pre-College Teaching Assistant** | *Teaching Assistant* July. 2024 – Aug 2024

Gained hands-on experience in educational support, child psychology and assisting students in understanding STEM concepts — and developing effective teaching strategies. I also enhanced my communication and leadership skills through classroom management.

**LeetCode & binomial** | *Competitive Programmer* March. 2024 – Present

Try to code 1 problem daily and understand the working of Data Structures and Algorithms Try to solve 1 conceptual machine learning problem daily.