

# Vinayak Mishra

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## SKILLS

- AI/ML: **PyTorch**, NumPy, Matplotlib, Pandas, Seaborn, Scikit-learn
- Web Development & Visualization: **Django**, Flask, FastAPI, Pygame, Plotly, Streamlit, HTML/CSS/JS
- Programming Languages: **Python**, Java, C, SQL
- Tools & IDEs: Git, **GitHub**, Docker, VS Code, PyCharm, Jupyter, IntelliJ, Figma, Canva, Blender, Notion

[GitHub Profile](#) | [LinkedIn Profile](#) | [Portfolio Site](#) | [Codewars — 75+ problems solved](#)

## Experience

### BrookiesHub Internship - July to Aug 2025 [Offer letter](#)

- Currently undergoing a **1-month internship** focused on **Python**, **task-based** development, and real-time project implementation. Actively contributing to hands-on projects while gaining experience in workflows and **practical coding practices**.

## Notable Projects

### Smart India Hackathon Project - Educational Content Platform [GitHub Repository](#)

- **Led a full-stack team** to build a scalable educational student-teacher interface in **4 days** with no prior experience in that tech stack. **Implemented and deployed** auth, role-based access, and file uploads. **Cleared college round** with a clean, documented, production-ready academic solution.
- **Tech Stack:** Django, SQLite, Python, HTML/CSS, JavaScript, Git/GitHub

### MNIST Digit Classifier - AI Web App [GitHub Repo](#) | [Live Demo](#)

- Built a **digit recognition tool** with a custom PyTorch model, **achieving 98% accuracy**, trained on **MNIST**, and a real-time Streamlit UI. Features **dual input and confidence score graphs** for intuitive probability visualizations.
- **Tech Stack:** PyTorch, Streamlit, Python, NumPy, Matplotlib

### Sorting Algorithms Visualizer - Interactive Learning Tool [GitHub Repository](#)

- **Interactive** Pygame app to **visualize sorting algorithms** with **animations** and **sound feedback**. Bubble, Insertion, Selection, Quick, and Merge Sort with **real-time performance metrics**.
- **Tech Stack:** Python, Pygame, OOP, Algorithm Design

## EDUCATION

**A.M.C College of Engineering** — B.E Computer Science Engineering

Aug 2023 - Aug 2027, Bengaluru