Eknath Mali

Location: Pune, Maharashtra

Portfolio | LinkedIn | GitHub | Leetcode

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EDUCATION

- **Government College of Engineering & Research Avasari, Pune** — Maharashtra, India
  Bachelor of Engineering - Computer Engineering; CGPA: 9.3 — 2020 - 2024

SKILLS SUMMARY

- **Languages**: C++, Python, JavaScript
- **Full Stack**: HTML, CSS, Bootstrap, React, Express JS, Node JS
- **Database**: MySQL, MongoDB
- **DSA & OOPs**:
- **Platforms**: Web, Windows, Linux, Google Colab, Jupyter, GitHub
- **Data Science Tools**: Pandas, Numpy, Matplotlib, Seaborn
- **NLP & Machine Learning**:

EXPERIENCE

- **WorkBrick** — Remote
  Data Science Intern — *Feb 2023 - June 2023*
  - Delivered live lectures on advanced topics in **Data Science** and **Machine Learning**.
  - Created interactive teaching materials, including video tutorials, hands-on exercises, and case studies, to engage students and facilitate understanding of complex data science concepts; resulted in a **30%** increase in student retention and completion rates.
  - Developed and deployed a scalable Flask application to showcase real-time Machine Learning models. Reduced model deployment time by **50%** and improved model accuracy by **15%**.
  - Tech Stack Used: Python, MySQL, Flask, PowerBI, ML, NLP, Git & Github

PROJECTS

- **iNotebook - MERN Project (Tech: HTML, CSS, JS, BootStrap, MERN) [GitHub]**:
  - Created a React application that allows users to securely maintain notes with the ability to **add**, **update**, and **delete** notes.
  - Implemented a **login/signup** page to enhance user authentication and access control.
  - Designed and integrated a **custom API** for effective frontend-backend communication. Improved user experience by integrating **react-router-dom** for smooth page transitions.

- **Blog App - MERN Project (Tech: HTML, CSS, JS, BootStrap, MERN) [GitHub]**:
  - Developed a full stack Blog App enabling users to **create an account** to manage their profile and activities within the app.
  - Implemented a tag-based system having **5** different categories (music, movies, sports, tech, fashion) to facilitate seamless navigation and content discovery.
  - Allowed users to **read**, **write**, and can **delete** their own blogs to maintain control over their published content.
  - Enabled user to **comment** on other's blogs and **edit** or **delete** their own comments.

- **File Compressor App - DSA Project (Tech: Python, Streamlit Cloud, CPP) [GitHub] [App Link]**:
  - Compressed the **40-45%** file size using Huffman Algorithm, resulting in a significant **reduction in file size**.
  - Provided options for both file **compression** using Huffman coding and file **decompression** to the original format.
  - Created app by utilizing data structures such as **unordered_map, priority queue, and binary tree**.
  - Employed a custom **comparator function** to ensure efficient sorting.

ACHIVEMENTS

- In **top 20%** coder on LeetCode
- In **top 10** coder on GFG at college level
- Solved over **700+** DSA problems on LeetCode & GFG
- Top **1% Rank** (Bachelors College Rank) - 2021-23
- **1st Rank** in Hackathon (Computer Vision) - April 2023
- **2nd RunnerUp** in WebCraft (**IIT Madras**) - May 2023
- **5th International** Rank (ABU Robocon) - Aug 2022

VOLUNTEER EXPERIENCE

- **Team Member-Robotics Research Lab** — Pune, India
  Used Arduino C++ to code one of the robots in the ABU Robocon Competition-2022 — *May 2021 - Dec 2022*