VISHARAD BADERAO

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EDUCATION

MIT Academy of Engineering, Pune	**2021 – 2025**
B.Tech in Computer Engineering (CGPA: 8.13)	*Pune, Maharashtra*
Yashwant Mahavidyalaya, Nanded	**2019 – 2021**
HSC- 93.17%	*Nanded, Maharashtra*
Shri Gangaram Patil Vidyalay, Niwgha	**2018 – 2019**
SSC - 83.20%	*Niwgha, Maharashtra*

Experience

WEB Developer Intern - Cloud Counselage Pvt. Ltd — **Sept 2024 - Nov 2024**

- Implemented a user-friendly platform for **students** to search and discover colleges in India, **providing detailed course information and contact details** of institutions.
- Developed the backend using **Flask**, managed data with **MySQL**, and designed a responsive interface using **HTML and CSS**.

Tech Team Member - E-Cell, MITAOE — **Feb 2023 - May 2024**

- Actively contributed to the organization and execution of entrepreneurial events such as **Ecell-IPL Auction**, **Entrepreneurship Conference**, and **Marketing Maestro**, fostering innovation and team collaboration.
- Supported the development of an integrated **web portal** to manage E-Cell events, streamlining event operations and participant management.

ACHIEVEMENTS

- Solved **200+ coding problems** across various competitive programming platforms.
- Published a research paper titled **"Disaster Prediction System Using Appropriate Machine Learning Algorithm"** in an **IEEE Conference**.
- Secured **2nd Prize** in **VSM Hackathon**, showcasing innovative problem-solving and development skills.

PROJECTS

Library Management System

Skills: HTML, CSS, JavaScript, Bootstrap, Flask, SQL

- Implemented a **book management module** for tracking book inventory, issuance, and returns, with an **automated late return charge system** to encourage timely returns.
- Developed a seamless **email notification system** using Flask-Mail, enabling users to receive timely alerts for book issuance, returns, and overdue reminders.
- Enhanced the user experience by integrating **pagination, search functionality**, and a **responsive interface**, ensuring accessibility across various devices.

Disaster Prediction System

Skills: HTML, CSS, Flask, Machine Learning, SQL

- Developed a web-based platform for predicting natural disasters, employing advanced **machine learning techniques** such as **XGBoost models** to analyze environmental and geological data.
- The system is designed to forecast potential occurrences of **floods, earthquakes, tsunamis, and landslides**, helping users and authorities prepare for disaster mitigation.
- Optimized the backend with **Flask** and SQL for high performance, ensuring seamless user interaction and fast data processing.
- This project represents a significant effort in **disaster management**, aiming to provide an accessible and scalable solution for communities prone to natural disasters.

TECHNICAL SKILLS

Skills: C++, JAVA, Flask, Bootstrap, Node.js, Express.js, MySQL, HTML, CSS, Docker, Object-Oriented Programming (C++), Data Structures and Algorithms, Machine Learning