

Kaustubh Muley

Email: mkaustubh2026@gmail.com | Mobile: +91 7972903306



LeetCode / Codeforces / LinkedIn

EDUCATION

Vishwakarma Institute of Technology, Pune	Nov 2022 - Present
B. Tech – AI&DS CGPA: 8.63	Pune, India
Swa Savarkar Madhamik Vidyalaya, Beed	Jun 2019 - May 2021
Maharashtra Board Education 12th: 98.33%	Beed, India

EXPERIENCE

Multimedia Head	April 2024 - Present
Susanskrit Bharat (club)	
<ul style="list-style-type: none">Led end-to-end multimedia production for 15+ college events, utilizing Adobe Premiere Pro and Blender to deliver high-impact AV experiences, enhancing attendee satisfaction by 30%.	

PERSONAL PROJECTS

KrishiSanjivani	HTML, JS, MySQL, Tailwind CSS, ARIMA, Random Forest.
<ul style="list-style-type: none">Developed a machine learning-based price forecasting platform using ARIMA and Random Forest algorithms, achieving 95% prediction accuracy for agricultural commodities.Spearheaded the development of a MySQL-backed system with a responsive UI using Tailwind CSS and Material UI, enhancing data visualization, and cutting reporting time by 2 hours per week.Built a data-driven pricing model to generate real-time market insights, empowering 50+ farmers with actionable data and reducing financial risks by 25%.	

Cricket Stadium Management System	Java, Object-Oriented Programming (OOP).
<ul style="list-style-type: none">Developed a Java Swing GUI for Cricket Stadium Management System, enabling real-time seat availability tracking and automated ticket booking, which cut manual errors by 40%.Created an intuitive Java Swing GUI to automate scheduling and resource allocation, reducing administrative workload by 35%.Integrated MySQL for real-time data management, automating ticket bookings and cutting manual errors by 40%.	

BBros	LangFlow, LLM, AstraDB.
<ul style="list-style-type: none">Built a real-time Twitter analytics tool with NLP-driven sentiment analysis and AI-powered ad generation using Streamlit and LangFlow framework.Integrated AstraDB NoSQL database to optimize tweet storage scalability by 50% and deployed Ollama for AI-powered ad campaigns, boosting user engagement by 40%.Designed a low-code analytics dashboard using Streamlit and LangFlow, reducing manual data processing by 60% and accelerating issue resolution by 45%.	

Drug-Drug Interaction	XGBoost, Random Forest, GBoosting, Streamlit.
<ul style="list-style-type: none">Engineered robust models using Random Forest, XGBoost, and Gradient Boosting, reducing risks of adverse drug reactions and optimizing pharmaceutical safety.Implemented ensemble learning strategies with hyperparameter optimization, ensuring superior predictive accuracy and reliable healthcare analyticsFocused on patient safety, delivering a comprehensive computational tool for early detection of drug interactions across diverse medication classes.	

SKILLS

<ul style="list-style-type: none">Languages: C, C++, PythonDatabases: SQL: MySQL, AstraDBOther: VScode , LangFlow, Barra, LangChain, MLCoursework: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Database Management System (DBMS)	
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ACHIEVEMENTS

<ul style="list-style-type: none">Finalist At Smart India HackathonSolved 400+ DSA problems across LeetCode, CodeChef, Codeforces, and TUF.Secured Rank in top 1% in LeetCode Weekly Contest.	
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PATENT & PUBLICATION

<ul style="list-style-type: none">TwitAnalyze: A Deep Dive into Twitter Profile and Comment Sentiment Analysis, published in IEEE XploreThird Eye for the Blind Person, patented in the Indian Patent Office.	
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