

KAUSTAV DAS

Software Engineering & Data Science Enthusiast

✉ kaustavdas2027@gmail.com

☎ 8488053035

📍 Gujarat

🐙 kaustav3071

🌐 kaustavdas1703

EDUCATION

Charotar University of Science and Technology

Bachelor of Technology - 9.42

April 2023 - May 2027

Indian Institute of Technology Madras

Bachelor of Science - 7.00

April 2023 - May 2027

Vision International School of Excellence

Class 12 Science - 91.04

May 2022 - April 2023

Recognized as the **District Topper** for outstanding academic performance.

WORK EXPERIENCE

Techathan 2025

Participant

09/01/2025 - 10/01/2025

Adani Techathon 2025 – Energy Optimization Solution | Thinkbiz Technology Pvt Ltd

Participated in **Adani Techathon 2025**, developing an **AI-driven energy optimization solution** within **24 hours**.

Worked in a team to implement **data analysis & AI techniques**, optimizing energy efficiency under real-world constraints.

PROJECTS

Own Portfolio Website [↗](#)

- Developed a personal portfolio website with a Flask backend, SQLite database, and Jinja2 templating.
- Implemented an admin-only login system using Flask-Login for secure authentication and deployed on Railway for reliable hosting.

Student-Results-Scraper [↗](#)

- Utilized Python, Selenium, Pandas, and OpenPyXL to develop a web scraper that automates student result extraction from the CHARUSAT university portal.
- The script dynamically fills inputs, scrapes data, and saves results in an Excel file, featuring error handling, dropdown automation, and data processing for enhanced efficiency.

Kiva-Voice-Assistant [↗](#)

- Developed a voice-controlled assistant that performs tasks like web search, music playback, weather updates, news reading, and website access.
- Integrated Speech Recognition, Text-to-Speech (TTS), and OpenAI API for handling unrecognized commands.

AutoGPT-Chat-Integration [↗](#)

- Developed a script to automate UI interactions using Python, OpenAI API, and PyAutoGUI.
- Integrated PyAutoGUI for simulating user actions like copying, pasting, and typing, and utilized OpenAI's GPT API to generate AI-driven responses.

Apni Riksha [↗](#)

January 2025 - May 2025

- Apni Riksha is a mobile web-based auto rickshaw booking system designed for college students and local residents.
- It connects passengers with auto drivers efficiently, ensuring quick bookings, real-time tracking, and a hassle-free experience.

Full-stack web application managing a pizza ordering system with customer and admin functionalities.

- Customer: Menu exploration, pizza customization, Razorpay integration for payments, order tracking.
- Admin: Inventory management, order handling, user administration, low stock alerts.
- **Frontend:** React, Vite, React Router, Axios, React Toastify.
- **Backend:** Node.js, Express.js, MongoDB, Mongoose, Razorpay, Nodemailer.
- **Deployment:** Render for both frontend and backend.

SKILLS

Programming Languages: Python, C, C++, Java, JavaScript

Web Development: HTML, CSS, Flask, PHP, JavaScript, NodeJS, Express

Databases: MySQL, SQLite, PhpMyAdmin, SQL (Advanced)

Version Control & Tools: Git, GitHub

Automation & Web Scraping: Selenium, Web Scraping, OpenAI API

Data Structures & Algorithms: Proficient in DSA using Python & C++

Software & Technologies: GitHub Foundations, Python for Data Science, AI & Development

Other Skills: Data Management, Engineering Concepts

CERTIFICATE

GitHub Foundations

Earned certification demonstrating proficiency in GitHub essentials, including version control with Git, repository management, branching, pull requests, and collaborative workflows. Recognized for ability to streamline project development and contribute effectively to team-based coding environments.

Python for Data Science, AI & Development

Certified in Python for data science, AI, and development, with skills in data analysis and machine learning.

Programming, Data Structures and Algorithms using Python Programming

Getting Started with Git and GitHub

Developing AI Applications with Python and Flask

LANGUAGE

English Full professional proficiency

Hindi Full professional proficiency

Bengali Native or bilingual proficiency