Saksham Sharma

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EDUCATION

Savitribai Phule Pune University	Pune, MH, IN
B.E., Artificial Intelligence and Data Science CGPA: 8.7	*2022 – 2026*
G. D. Birla Memorial School	Ranikhet, UK, IN
AISSCE - 12th Percentage: 97.6%	*2019 – 2021*
G. D. Birla Memorial School	Ranikhet, UK, IN
AISSE - 10th Percentage: 97.8%	*2012 – 2019*

PROJECTS

FoodShare | *Node.js, MySQL, JavaScript, HTML, CSS, Git* GitHub
- Developed a **RESTful API** with **Node.js**, **MySQL**, and **express-session** to enable seamless communication between the **frontend** and **backend**, facilitating surplus food sharing between restaurants and NGOs.
- Implemented **secure user authentication** and **role-based access control** with **bcrypt-hashed passwords** for restaurants and NGOs.
- Incorporated **interactive dashboards** with **CRUD operations** to streamline food post management; implemented **automatic expiration** features.

Remy the Cook | *React.js, Hugging Face, JavaScript, HTML, CSS, Git* GitHub
- Engineered a **responsive React web app** that generates recipe suggestions based on user-inputted ingredients, powered by **Hugging Face's Mistral model** with 99% accuracy.
- Utilized **React Markdown** for dynamic recipe display, and implemented **React Hooks** for efficient state management and smooth user interaction with ingredient input and recipe generation.

Sign-Verse | *Python, Flask, OpenCV, HTML, CSS, JavaScript* GitHub
- Devised an **Indian Sign Language (ISL) gesture recognition system** using **OpenCV**, **Flask**, and **Google Teachable Machine** for static gestures of alphabets and numbers.
- **Collected over 18,000 images** for ISL alphabet gestures and **7,000 images** for number gestures using a custom **Python** script that leveraged **OpenCV** and the **cvzone HandTrackingModule**
- **Built a Flask web interface** with HTML and CSS for seamless and real-time user interaction.

E-Commerce Website | *HTML, CSS, JavaScript, Git* GitHub
- Built an interactive e-commerce platform with dynamic **HTML**, **CSS3**, and **JavaScript**, implementing **responsive design** using **Flexbox**, **Grid**, and **media queries**.
- Created robust **CRUD operations** for cart functionality with **real-time updates**, persistent data storage using **LocalStorage**, and order total calculations.
- Integrated a **keyword-based search**, a **mock delivery tracking system** using **Day.js**, and **buy-again functionality** to simulate real-world e-commerce experiences.

TECHNICAL SKILLS

Languages: JavaScript, Python, C/C++, SQL, HTML/CSS
Frameworks: React.js, Node.js, Flask
Databases: MySQL, MongoDB
Developer Tools & Platforms: Git, GitHub, VS Code, Jupyter, Google Colab
Libraries: Pygame, OpenCV, Matplotlib, Hugging Face
Technical Interests: Frontend Development, Full-Stack Development, Machine Learning, Database Management, DSA

ACHIEVEMENTS

- **Co-headed** an Expert Talk event at **MPulse InfusionX 2K24**.
- **Shortlisted for Smart India Hackathon (SIH)** by proposing **Mandai**, a mobile app for direct market access for farmers, as one of the 25 selected teams from our college.
- **Earned a 5-star badge in C++** on **HackerRank**.