

Soham Chaudhari

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Mumbai, Maharashtra - 400074, India

ABOUT ME

I am a motivated B.E. Computer Engineering student with a strong foundation in web development and a growing expertise in data science and machine learning. I design and develop dynamic web applications, leveraging my problem-solving skills to create innovative and impactful solutions. My passion drives me to continuously explore new technologies and contribute to projects that address real-world challenges in technology, data, and AI.

EDUCATION

- Vivekanand education Society's instute of technology** 2022 - Present
B.E Computer Engineering Mumbai, India
 - CGPA : 8.00
- Pd. Vasant dada Patil Jr. college** July, 2022
Higher Secondary Certificate Aurangabad, India
 - Grade: 85.67%
- Tender Care Home** May, 2020
Secondary School Certificate Aurangabad, India
 - Grade: 94.6%

PROJECTS

- VISION AI: AI-based Image and Video Upscaling Solution** October 2024 - November 2024
Tools: ReactJS, Flask, PyTorch, OpenCV, ESRGAN, GFPGAN, CodeFormer (Full Stack)
 - Developed an AI solution to enhance image and video quality for satellite, CCTV, and medical imaging.
 - Implemented ESRGAN and GFPGAN for high-resolution upscaling and consistency.
- Cold Email Generator** September 2024
Tools: Llama-3.1-70b-Versatile, Pandas, Langchain, ChromaDB, Streamlit, Groq, Python (Gen AI App)
 - Created a scraper to extract job data from career pages, generating JSON for outreach.
 - Developed personalized cold emails using NLP, enhancing engagement.
- FOOD SAVER: Zero Hunger** Jan 2024 - April 2024
Tools: HTML, CSS, JavaScript, Firebase (Full Stack)
 - Built a web app to reduce food waste by connecting surplus food donors with those in need.
 - Designed an intuitive interface ensuring ease of use and accessibility.
- Vayu Mitra : AI/ML-based Downscaling of Satellite Air Quality Maps (SIH)** Sep 2024 - Nov 2024
Tools: Python, Pandas, NumPy, Scikit-learn, LightGBM, Matplotlib, Seaborn, Flask
 - Developed an AI/ML-based solution to downscale satellite air quality data, enhancing the spatial resolution of NO2 maps.
 - The project addressed data gaps caused by cloud cover, providing accurate local-level insights for better air quality monitoring.

EXPERIENCE

Hack2Future Hackathon

Backend and Machine Learning Applications

July 2024

- Developed a Vision AI project utilizing the ESRGAN model for image super-resolution.
- Implemented backend services to integrate the model and manage data processing workflows.
- Technologies used: Python, PyTorch, Flask.
- Finished Top 10 among over 1,700 participants.

SKILLS

- Programming Languages:** Java, JavaScript, Python
- Web Technologies:** React.js, Express.js, Node.js
- Database Systems:** MongoDB, Oracle SQL, MySQL, ChromaDB
- Data Science & Machine Learning:** Langchain, Groq, NumPy, Pandas
- Other Tools & Technologies:** Git, GitHub, Postman

CERTIFICATIONS

Title	Issuer	Links	Year
API Bootcamp: Postman	Geeks for Geeks	LINK	July 2024
Introduction to GitHub	Microsoft	LINK	August 2024
Fundamentals of Deep Learning	NVIDIA	LINK	September 2024