Yash Baravaliya

Aspiring Data Scientist

yashbaravaliya206@gmail.com
linkedin.com/in/yash-baravaliya
medium.com/@yashbaravaliya206

Dedicated computer engineering student with a strong focus on AI and data science. Certified in data science and actively applying machine learning, deep learning, and computer vision skills through academic projects and internships. Passionate about translating complex data into actionable insights and eager to contribute to innovative data-driven solutions.

EDUCATION

Bachelor of Technology
Ganpat University

08/2021 - 05/2025 *CGPA-8.15*

Courses

- Computer Engineering In Specialization With AI

HSC GSEB
ASADEEP IIT

2021 *75.06%*

SSC GSEB
sanskartirth gyanpeeth

2019 *77.00%*

INTERNSHIP

Robocon
U. V. Patel College of Engineering

01/2024 - 08/2024

Achievements/Tasks

- Developed and implemented **computer vision algorithms** using **OpenCV** and **TensorFlow**
- Integrated software with hardware systems using **Raspberry Pi** and **Arduino**, enhancing the robot **autonomous** navigation
- Collaborated with **mechanical** and **electrical teams**, aligning **software with hardware** capabilities
- Managed **control algorithm** implementation on Arduino, improving the **robot precision, efficiency, and responsiveness**

GDSC Data Science Lead
U. V. Patel College of Engineering

08/2023 - Present

Achievements/Tasks

- Facilitated knowledge sharing by coordinating guest **lectures and study groups**, enhancing the learning experience for members.
- Managed **event logistics** , including **scheduling**, venue booking, and **coordination** with speakers, ensuring all events ran **smoothly.**

SKILLS

Python | Statistical Analysis | Machine Learning | Deep Learning | Computer Vision | NLP | Gen AI | MLOps | Embedded Systems | Quick Learner | Project Management | Time Management

PERSONAL PROJECTS

MedGuide-AI (06/2024 - Present)

- Developed a comprehensive healthcare AI application integrating **NLP, computer vision, and generative AI technologies**
- Created an AI-powered chatbot for **medical** information and a **medicine** information system with **image recognition** capabilities
- Implemented **geolocation**-based medicine availability and **Ayurvedic plant identification** using computer vision
- Designed a **chemical bond generator** utilizing SMILES notation, showcasing versatility in AI applications

VisionVault-Check-In (01/2024 - 05/2024)

- Developed a **user-friendly** interface with three main components: **rapid image capture, model management, and one-click training**
- Implemented efficient **face embedding** technique, enabling fast training and prediction on **CPU for 4+** people simultaneously
- Designed a **lightweight yet powerful model**, ensuring **lag-free** performance and smooth real-time identification
- Integrated automatic **entry and exit logging** based on facial recognition predictions, streamlining attendance tracking

SnapSearch (04/2024 - 04/2024)

- created and deployed **SnapSearch**, an advanced image search tool utilizing facial recognition technology, which improved image **retrieval accuracy by 85%** and **reduced search time for users by 70%**.
- Implemented a user-friendly system that **trains on user selfies** and **efficiently searches** personal image collections, returning photos containing the user.

Sign Language Translator Project (11/2023 - 12/2023)

- Designed a **user-friendly** Sign Language Translator app; facilitated **gesture detection** and **translation**
- While allowing users to create **personalized sign models** , improving engagement and usage rates by **40%** within the first quarter

CERTIFICATES

Data Science Master at PW SKILLS (01/2024 - 01/2024)

Covered: *Python, statistics, linear algebra, ML, DL, NLP, big data.*

Mastering Generative AI with OpenAI, Langchain, and LlamaIndex (01/2024 - Present)