# ABOUT
# ZAHERA SAIYED

## AI/ML DEVELOPER

AI/ML Developer with 2 years of experience in front-end and back-end development, specializing in NLP and deep learning. Proficient in Python, SQL, and libraries like TensorFlow and Keras, with expertise in generative models (GPTs, GANs, VAEs). Skilled in data preprocessing, handling large-scale datasets, and leveraging cloud platforms with GPU acceleration. Strong analytical skills, with a solid foundation in mathematical principles, capable of building scalable ML pipelines and delivering impactful solutions. Successfully developed 10+ AI/ML models to date.

## CONTACT

**8128870155**

**zaherasaiyed63@gmail.com**

## EDUCATION

SARVAJANIK COLLEGE
BTech with honors in Cybersecurity
(2021 - 2025)

Grades in 1st year   : 9.45 CGPA
Grades in 2nd year : 9.55 CGPA
Grade in  3rd year   : 9.90 CGPA

HMB Sardar School
Gujarat,Surat - 2021

## LINKS

LinkedIn://ZaheraSaiyed

Github://Zahera-Saiyed

## KEY COMPETENCIES

Python developer

AI/ML developer

Data Science

Content Creater

Web development

Leadership skill

Communication Skill

Project management

CyberSecurity

## SKILLS
- Python
-  C
-  SQL
- HTML
- CSS
-  Javascript

## ACHIEVEMENTS

Finalist of Rajasthan Police Hackathon 2024
Pre-Finalist of Myntra Hackathon 2024

## WORK EXPERIENCE

### ALGOBRAIN.AI                    JUNE 2024 - 1 MONTH
- Developed custom chatbots for prestigious educational institutions, enhancing communication and engagement.
- Designed and implemented a recommendation system tailored for a cafe, optimizing customer experience and satisfaction.
- Spearheaded the development of an automatic chatbot generator, streamlining the creation process for future projects.
- Contributed to research and development of LLM (Large Language Model) chatbots, exploring advanced natural language processing techniques.

### RESEARCH STUDENT                 AUGUST 2024 - ONGOING
- Conducting research on self-supervised learning for 3D light-sheet microscopy under the supervision of Dr. Mayuri Mehta.
- Developing advanced algorithms for image segmentation and analysis using deep learning frameworks.
- Focused on processing large-scale 3D microscopy datasets to enhance biomedical imaging.

## PROJECTS

### Human Activity Recognition
- Implemented a project on human activity recognition using machine learning algorithms, demonstrating proficiency in pattern recognition and classification tasks.

### FIR Analysis for IPC Sections
- Utilized TensorFlow and BERT for sequence classification.
- Preprocessed and tokenized FIR descriptions and offenses.
- Achieved high accuracy in legal categorization of FIRs, enhancing law enforcement efficiency.

### Image Generation for Upcoming Trends
- Developed tools for generating trend-predicting images using Google APIs for trend prediction and Autoencoder,Cliptokenizer for trend generation.
- Also Explored LLM like VAE,GANs,StyleGANs

### Malicious URL Detection System - Cybersecurity
- Developed using machine learning for real-time identification of harmful links.
- Implemented in web traffic scanning, achieving high accuracy in threat detection.

### Face Recognition System
- Developed a facial recognition system using OpenCV, storing data in CSV format.

### Social Distance Monitoring System
- Created a system to monitor social distancing compliance using OpenCV and SciPy.