



# Vishwas Chaudhary

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## CAREER SYNOPSIS

B.Tech graduate in Computer Engineering (AI) from Ganpat University with expertise in Machine Learning, Deep Neural Networks, NLP, Computer Vision, and Big Data Analytics. Demonstrated research excellence with 82% accuracy in breast cancer detection and 85-90% in customer churn prediction. Committed to ethical AI development with strong technical skills, leadership experience through IEEE, and community service focused on rural education and healthcare accessibility.

## EDUCATION

<b>Bachelor of Technology, Computer Engineering-AI</b> Ganpat University, Mehsana	2021 - 2025
<b>Higher Secondary Education, CBSE</b> Saint Ann's School, Ahmedabad	2020 - 2021 72%
<b>Secondary School Education, ICSE</b> S.G.V.P International School, Ahmedabad	2018 - 2019 82%

## TECHNICAL SKILLS

Programming	AI/ML	Frameworks	Tools & Data
<ul style="list-style-type: none"><li>Python, Java</li><li>JavaScript, SQL</li><li>HTML, CSS</li></ul>	<ul style="list-style-type: none"><li>Deep Learning</li><li>NLP, Computer Vision</li><li>Transfer Learning</li></ul>	<ul style="list-style-type: none"><li>TensorFlow, PyTorch</li><li>Keras, Hugging Face</li><li>Flask, Streamlit</li></ul>	<ul style="list-style-type: none"><li>Hadoop, Spark, Kafka</li><li>MongoDB, XGBoost</li><li>MLOps, Git</li></ul>

## KEY PROJECTS

### Breast Cancer Detection using Deep Neural Networks

- Achieved **82% accuracy** combining LeNet and AlexNet with transfer learning (VGG16, ResNet50V2)
- Technologies: TensorFlow, Keras, CNNs, data augmentation

### Matru-Shishu Suraksha - Maternal Healthcare Platform

- Web platform with AI chatbot (MamaBot) and Google Maps facility locator for rural healthcare access
- Technologies: Flask, JavaScript, Tailwind CSS, NLP, Geolocation API

### Customer Churn Prediction Model

- 85-90% accuracy** predicting customer retention using XGBoost and Random Forest
- Business intelligence solution for revenue loss prevention

## **Healthcare ChatBot (MyHealthAlly)**

- LLM-powered diagnostic chatbot with symptom analysis and appointment booking
- Technologies: Python, LLMs, NLP, MongoDB, real-time processing

## **French-English NLP Translation System**

- Neural machine translation using Transformers (MarianMT) with attention mechanisms
- Technologies: Hugging Face, PyTorch, TensorFlow

## **Face Emotion Recognition & AI Nutrition Assistant**

- Real-time emotion detection using CNNs and OpenCV; BMR-based meal recommendations

### **CERTIFICATIONS**

NPTEL: Java Programming  
NPTEL: Python for Machine Learning  
PMKVY: AI-ML Jr. Telecom Data Analyst  
TCS iON: Communication Skills

### **LANGUAGES**

English – Fluent  
Hindi – Native  
Gujarati – Native

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### **LEADERSHIP & COMMUNITY IMPACT**

#### **IEEE Student Branch**

- Led "Tucker" technical debate competition; organized AI/ML workshops
- Spearheaded "Box of Happiness" initiative distributing essentials to underprivileged communities

#### **GVM (Ganpat Volunteer Movement)**

- Weekly village visits teaching underprivileged students, bridging educational gaps in rural areas

#### **Technical Leadership**

- Led Smart India Hackathon "Aausadh" (AI-based Medicinal Plant Awareness)
- Co-developed "Medisoft" (Misarticulation Therapy tool); built DBMS app with Node.js

#### **Hackathons & Sports**

- Spark Summer Hackathon (Diet Planner); Smart India Hackathon (Healthcare AI)
- Winner: Inter-College Struggle Competition; Regular: Swimming, Badminton

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### **ADDITIONAL EXPERTISE**

**Big Data:** Hadoop-based data processing, Apache Spark & Kafka pipeline optimization

**Generative AI:** LLM training and fine-tuning for domain-specific applications, MLOps deployment

**Research:** Strong foundation in linear algebra, probability, optimization, advanced calculus

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### **CONCLUSION**

Combining strong technical foundation (CGPA: 8.38), proven research capabilities (82% cancer detection, 85-90% churn prediction), and dedication to ethical AI through community service, I am prepared to contribute meaningfully to graduate research. My expertise spans healthcare AI, NLP, computer vision, and big data, with a commitment to developing technology that serves all communities equitably.

**I look forward to contributing my skills and passion to your esteemed institution.**