

# Ketan Sanjay Nikam

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Technically Curious Engineer and analytical thinker with hands-on experience in Web development and python-based automation. Built projects ranging from Chat analyzer to implementing python in ML for disease detection, focusing on practical functionality and clean implementation

## Technical Skill

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- **Languages:** Python, R, C++
- **Frontend:** HTML, CSS, JavaScript, jQuery
- **Backend:** Node.js, Django
- **Databases:** MySQL, SQLite
- **Developer Tools:** VS Code, GitHub, PyCharm

## Projects

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### Malnutrition detection –

- It is a web application to **detect Malnutrition in children** by analyzing images of the skin and nails
- Used languages like **HTML, CSS and JavaScript for frontend** and implement using **PYTHON for machine learning**.
- Used **MongoDB(NoSQL database)** to store user data, images and other statistics

### WhatsApp Chat Analyzer –

- Developed using **python for backend logic**, used **Streamlit for an interactive web interface**
- Analyzed the **exported WhatsApp.txt chat file** to generate insights about personal and group conversation
- Used libraries such as **Pandas, Matplotlib, Seaborn and WordCloud for data analysis and visualization**

### Pro Email Writer –

- It is a **PYTHON** based application that **generate professional emails** based on user input
- User Input – **Text-based and voice-based**
- Applied **Speech recognition, string manipulation and template generation techniques** to automate writing process

### E-commerce – Clothing Website

- Designed a responsive shopping website using **HTML, CSS and JavaScript**, ensuring a smooth and seamless user experience
- Built the **backend using Node.js** to handle server-side logic, authentication and API routing
- Used **MongoDB** for managing product listing, user account and order transactions

## Certification

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### Tata Group Data Analytics Job Simulation on Forage - August 2025

- Completed a job simulation involving AI-powered data analytics and strategy development for the Financial Services team at Tata iQ.
- Conducted exploratory data analysis (EDA) using GenAI tools to assess data quality, identify risk indicators, and structure insights for predictive modelling.
- Proposed and justified an initial no-code predictive modelling framework to assess customer delinquency risk, leveraging GenAI for structured model logic and evaluation criteria.
- Designed an AI-driven collections strategy leveraging agentic AI and automation, incorporating ethical AI principles, regulatory compliance, and scalable implementation frameworks.

## Education

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**New Horizon Institute of Technology and Management, Thane**  
Bachelor of engineering (B.E) in Computer engineering

Nov 2022 – Jun 2025  
CGPA – 7.25

**Institute of Petrochemical Engineering, Lonere**  
Diploma in Engineering – Instrumentation Engineering

July 2019 – Jun 2022  
CGPA – 8.35