

KRUSHANG KADAKIA

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EDUCATION

Thadomal Shahani College of Engineering, Mumbai, India

Candidate of Bachelor of Technology in Information Technology with Distinction

Expected: June 2026

(CGPA: 8.54/10)

Navneet College of Arts, Science & Commerce, Mumbai, India

Secured Distinction in Higher Secondary Certificate Examination

March 2022

(82.67%)

PROFESSIONAL EXPERIENCE

NeoSOFT, Mumbai, India

December 2024 – April 2025

Intern – Data Science

- Developed and fine-tuned ML models for temperature prediction based on historical data using pandas, Matplotlib, scikit-learn
- Conducted experiments to optimize model performance and improve predictive accuracy
- Built a Retrieval-Augmented Generation (RAG) system using Mistral-7B and llama.cpp for enhanced text generation
- Integrated vector databases and optimized retrieval mechanisms for efficient knowledge augmentation

ACADEMIC PROJECTS AND PAPERS

Stockify Inventory Management System

- Engineered a desktop-based inventory management system using Tkinter and SQL to track stock levels, manage products, suppliers, employees, and streamline sales
- Implemented features such as product and supplier management, billing with PDF generation, user authentication, and email integration for notifications
- Technologies used: Python, SQLite, ReportLab, SMTPLib

Sentiment Analysis of Election Tweets

- Designed and developed a sentiment analysis model to classify 2019 Lok Sabha election tweets as positive or negative using CNN, BERT, and Linear SVC.
- Processed and cleaned tweet data to remove noise, then evaluated model performance using accuracy, precision, recall, and F1-score
- Technologies used: Python, TensorFlow, Keras, scikit-learn, NLTK, Hugging Face Transformers

TECHNICAL SKILLS

- **Machine Learning & AI:** TensorFlow, Keras, scikit-learn, Hugging Face Transformers
- **Software & Libraries:** OpenCV, NLTK, NumPy, Pandas
- **Programming Languages:** Python, C, C++, Java
- **Web Technologies:** Flask, Django, HTML, CSS, JavaScript, Bootstrap
- **Databases:** MySQL, SQLite, MongoDB
- **Development Tools:** Git, GitHub
- **Operating Systems:** Windows, Linux (Ubuntu)

EXTRA CURRICULAR ACTIVITIES

- Completed a 3-course Machine Learning Specialization on Coursera in April 2025, covering supervised learning, unsupervised learning, deep learning, and reinforcement learning, with a strong focus on foundational concepts and algorithmic understanding
- Volunteered for the NSS committee (2024–25) in association with the National Service Scheme (NSS), Government of India, contributing to various social initiatives and community services such as beach cleanups, blood donation drives, and educational outreach programs for children in rural areas, fostering civic responsibility and social awareness
- Contributed as a Member of the Green Club (2024-25), promoting environmental awareness and sustainability initiatives
- Attended a MATLAB workshop conducted at Thadomal Shahani Engineering College (2022-23) and gained hands-on experience in computational programming