

Tejas Patel

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EDUCATION

Sardar Patel Institute of Technology

Bachelor of Technology in Computer Science and Engineering (Data Science) - 8.5 CGPA

Mumbai

Expected 2026

Ramnarain Ruia College

Higher Secondary Certificate - 87%

Mumbai

2022

Udayachal High School

Secondary School Certificate - 96.4%

Mumbai

2020

PROJECTS

Fashion Recommendation System | Python, Tensorflow, Streamlit

[Github](#)

- Developed a robust recommendation system to suggest similar and complementary clothing items tailored to the user's selection.
- Extracted image features from a large dataset of fashion items and utilized a pre-trained ResNet-50 model in TensorFlow for feature analysis.
- Recommended both complementary and similar items based on the user's current selection.
- Integrated functionality allowing users to upload photos from their own devices to receive recommendations for visually similar products.

Amazon Product Data Extraction | Python, Tesseract

[Github](#)

- Developed an image processing pipeline using Tesseract OCR to extract text from product images.
- Applied regular expressions to efficiently parse and filter relevant product dimensions (e.g., width, depth, height, weight, voltage, wattage, and volume) from the extracted data.
- Automated the process of identifying and capturing key product attributes, improving data accuracy and reducing manual input.
- Integrated the solution with image datasets, demonstrating proficiency in text recognition and pattern matching techniques.

Risk Based Authentication | Python, Flask, React, Scikit Learn

[Github](#)

- Developed a continuous monitoring system to predict user legitimacy using a Decision Tree Classifier based on user credentials (IP, ASN, country, browser/OS details).
- Built a React.js frontend to capture credentials and display real-time legitimacy scores after backend analysis.

TECHNICAL SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML/CSS

Databases: MySQL, MongoDB

Frameworks: React.JS, Django

Developer Tools: Github

Libraries: Pandas, NumPy, Matplotlib, Seaborn, ScikitLearn, TensorFlow, Pytorch

HONORS AND AWARDS

SE Hackathon: Top 5 (Out of 50 teams)

2024 FLAME AI Challenge: Top 20 (As of 11/10/2024)

DJ NEXUS: Participant

Amazon ML Challenge: Participant

NPTEL: Successfully completed course on Business Models, Entrepreneurship and Soft skill development

EXTRA-CURRICULAR

Head of Marketing, Oculus (Funzone and Esports): Led a team of 6 members and raised funds from various sponsorship and collaboration deals for college's biggest technocultural fest.

Sangeet Visharad: 1st class certified from Akhil Bhartiya Gandharva Mahavidyalaya in Keyboard (Hindustani Classical Music)