Yash Chaudhari

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SUMMARY

May 2025 graduate seeking full-time opportunities in Data Science & machine Learning and Software Development

Areas of Interest: Data Science | AI | Neural Networks | Machine Learning | Software Development

EDUCATION

LDRP-ITR, Gandhinagar, *B.E in Information Technology* | Gandhinagar, India — CGPA: 8.5 / 10.0 — 2021 - 2025

JNV Mehsana, *Class XII (CBSE)* | Mehsana, India — Percentage: 92.60% — 2020 - 2021

JNV Mehsana, *Class X (CBSE)* | Mehsana, India — Percentage: 86.40% — 2018 - 2019

EXPERIENCE

Oil and Natural Gas Corporation Limited (ONGC), *Information Technology Intern* | **Mehsana, Gujarat, India** — May 2024 - June 2024

- Engineered a Laravel-based real-time issue reporting platform used by over 30,000 employees, accelerating incident reporting by 90% and enhancing overall workplace safety compliance.
- Enhanced IT Infrastructure: Gained insights into the workings of critical systems like SCADA (Supervisory Control and Data Acquisition), understanding its tier 1 and tier 2 architecture components. This knowledge is invaluable for maintaining and optimizing ONGC's digital infrastructure, potentially saving 1000+ of man-hours that manual monitoring and control would require.
- Network Expertise: Gained valuable communication and networking skills, including data transfer protocols, bandwidth management, backup strategies, and security protocols.
- Streamlined NOC & DPR Generation: Spearheaded the automation of NOC detail letter generation using Laravel. This eliminated manual data retrieval from four departments, significantly improving accuracy, compliance, and efficiency for thousands of employees. Additionally, optimized the Data Processing and Reporting (DPR) system to seamlessly handle millions of data points, merge data from 24 sites, ensuring smooth operations, enhanced productivity, and generating daily reports.

SKILLS

Programming Languages	Python, Java, C++, JavaScript
Web Development	Django (Framework), HTML, CSS, PHP(Laravel), Bootstrap
Databases	MongoDB, PostgreSQL
Machine Learning & Data Science	Scikit-Learn, TensorFlow.keras, OpenCV, NumPy, Pandas
Development Tools	Git, VS Code, PyCharm, Jupyter Notebook
System Administration & Networking	Linux, SCADA Systems,Network Protocols, Data Transfer, Bandwidth Monitoring

PROJECTS

AppointPro | React Native, Android Mobile App — Feb 2025 - May 2025

- Developing an innovative appointment booking platform that empowers consumers to seamlessly schedule a diverse array of services—including healthcare, electrical, plumbing, and more—ensuring a user-friendly and efficient experience.
- Integrates both consumer and provider interfaces to offer a comprehensive, fully functional booking experience.
- Engineered exclusively for Android using React Native, emphasizing intuitive design and robust performance.
- Aims to streamline service delivery with an authentic, user-friendly system that simplifies appointment scheduling.

GP-Sync | Google Photos Scraping Tool, Selenium • LIVE Preview — June 2024 - September 2024

- Engineered automated Google Photos scraper using Selenium and webdriver-manager, achieving 100% extraction success rate. Integrated Firefox profiles for seamless authentication, reducing login failures by 80%.
- Developed intuitive Kivy-based GUI, increasing user adoption by 150%.Optimized for large-scale operations, processing 100,000+ photos efficiently with multi-threaded downloading, boosting performance by 300%.
- Implemented advanced features for extracting comprehensive image metadata and enabling album-wise downloading, surpassing default Google Photos functionality and providing users with enhanced data organization.
- Ensured cross-platform compatibility for Windows and Linux. Deployed as web service gpsync.online can able to handle thousands of users.

REAL-Time Issue Reporting System | Laravel, MySQL, JavaScript May 2023

- Developed a web application that enhanced issue resolution across 10+ departments, reducing resolution time by 50%.
- Implemented role-based access for 3 officer roles, ensuring effective management and accountability.
- Integrated seamlessly with existing systems supporting over 1000+ users, improving operational efficiency by 90%.
- Enabled executive monitoring that expedited decision-making and overall issue resolution by 100%.
- Successfully deployed on ONGC Mehsana servers, receiving commendation for project performance and impact.

YouTube Sagebot | Python, NLP, RoBERTa, GPT-2, Streamlit June 2024 - July 2024
https://github.com/Yashchaudhari29/YouTube-Sagebot

- Designed and implemented a chatbot that processes YouTube video transcripts to answer user queries with over 99% accuracy.
- Integrated Hugging Face RoBERTa model to extract relevant transcript sections, achieving a 30% improvement in response precision.
- Enhanced answer quality using GPT-2, ensuring responses are context-aware and user-friendly.
- Built an interactive web interface with Streamlit,reducing user query resolution time by 40%.

IntelliFace Attendance Suite | Python, Django, FACE++, PostgreSQL Dec 2023 - Feb 2024
https://github.com/Yashchaudhari29/IntelliFace-Attendance-Suite

- Streamlined student attendance tracking through a secure login system and user-friendly interface.
- Leveraged FACE++ technology for real-time attendance recording with an accuracy rate exceeding 99.2 %.
- Facilitated data-driven decision-making by implementing comprehensive reporting functionalities utilizing PostgreSQL and SQLite databases.

Capstone Project: Car Price Prediction Model | Python, scikit-learn January 2024
https://github.com/Yashchaudhari29/Capstone-Advanced-Data-Science-Project

- Achieved perfect accuracy (100%) using regression techniques for car price prediction.
- Developed a robust Machine Learning model employing data preprocessing, normalization, training/testing split, and hyperparameter tuning for optimal performance.

NBSPAM Detector | Text Message Spam Classifier, Naive Bayes January 2024
https://github.com/Yashchaudhari29/NBSpamDetect

- Implemented Text Message Spam Classifier (Naive Bayes): Leveraged Naive Bayes (Multinomial & Bernoulli) for spam/ham classification in text messages. Utilized data preprocessing techniques (cleaning, vectorization) for feature engineering. Optimized Model Performance through Evaluation: Employed metrics (accuracy, precision, recall, F1-score) to assess and compare Naive Bayes models. Generated confusion matrices to visualize model performance and identify potential areas for improvement.
- Achieved a high accuracy rate of nearly 98.3% in spam/ham classification using Naive Bayes.

Certificates

OCI Generative AI Professional ORACLE
(Certificate Link) July 2024

Python For Data Science NPTEL
(Certificate Link) Oct 2023

AI Challenge - MICROSOFT
(Certificate Link) Jan 2024

Python Django- SIMPLILEARN
(Certificate Link) Feb 2024

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Azure AI Fundamentals Cloud Skill Challenge Winner	Microsoft, Jan 2024
Regional Level Math Olympiad Participant	Gandhinagar, 2020
Deep Dive into Machine Learning Seminar Participant	IEEE Seminar at LDRP ITR, Gandhinagar, April 2024