

Aryan Rajyaguru

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Summary

Highly motivated and results-oriented Machine Learning enthusiast with a strong foundation in Python, TensorFlow, and computer vision. Proven ability to develop and implement end-to-end machine learning solutions, from data collection and preprocessing to model training and deployment. Seeking a challenging role as a Machine Learning Developer to contribute to innovative AI-driven projects.

Education

KSV — LDRP

Expected May 2026

Bachelor of Engineering in Computer Science (GPA: 8.38 / 10.00)

Gandhinagar, Gujarat

- **Relevant Coursework:** Data Structures and Algorithms, Design and Analysis of Algorithms, Theory of Computation, Computer Networks, AI, ML, Computer Network Security, ETC

Gujarat Technological University (GTU) — GMIT

August 2023

Diploma in Computer Science (GPA: 9.42 / 10.00)

Bhavnagar, Gujarat

- **Relevant Coursework:** Data Structures and Algo, Database Management, Computer Networks, Computer Architecture and Organization and ETC.

Experience

Funnmedia — (Onsite)

Jun 2025 – Aug 2025

AI & ML Intern

Ahmadabad, Gujarat

- Gained practical experience with fundamental AI and Machine Learning libraries such as TensorFlow, PyTorch, NumPy, and Pandas.
- Developed and implemented small-scale machine learning models for hands-on, practical projects.
- Applied theoretical knowledge to preprocess data, train models, and evaluate their performance.

ShadowFax — (Remote)

Jun 2025 – July 2025

Data science Intern

Sydney, Australia

- Gained practical experience with fundamental AI and Machine Learning libraries such as TensorFlow, PyTorch, NumPy, and Pandas.
- Applied theoretical knowledge to preprocess data, train models, and evaluate their performance.

Testeem Solutions — (Remote)

Nov 2022 – Sep 2024

Freelance Web Developer Engineer

Ahmadabad, Gujarat

- Designed, developed, and deployed client websites using WordPress, PHP, HTML, CSS, and MySQL.
- Implemented custom features and functionalities based on client requirements, enhancing user experience and engagement.
- Managed all aspects of the development lifecycle, from initial consultation and requirements gathering to testing and deployment

DUA Info Tech — (Onsite)

Jun 2022 – Jun 2022

Trainee Web Developer

Bhavnagar, Gujarat

- Completed intensive 15-day training focused on PHP, DBMS (MySQL), and HTML, developing foundational web development skills.
- Assisted in the development of a small project during the training period.

Projects

Automated Crime Scene Observation System | *Python, Django, TensorFlow, YOLOv8, YOLOv5, MySQL, Pandas, NumPy*

- Developed a computer vision-based system for the Gujarat Police Department to automate the detection of evidence in crime scene photos .
- Engineered and trained YOLOv8 and YOLOv5 models to identify weapons and footprints with 90% detection accuracy .
- Built a robust backend using Django and MySQL to manage and store crime scene data, including images and evidence logs .

AI Healthcare Chatbot | *Python ,Streamlit, Google Gemini(AI - Model API)*

- Developed a user-friendly healthcare chatbot using Python and Streamlit to provide AI-powered symptom analysis and doctor recommendations.
- Integrated the Google Gemini API to offer preliminary insights into possible health conditions based on user-described symptoms in natural language .
- The chatbot suggests common over-the-counter remedies and provides a disclaimer for users to consult with a qualified healthcare professional.
- Features a doctor locator that allows users to find doctors in major Indian cities, with a hardcoded database of doctors and their specialties .
- The application is built with a tech stack that includes Python, Streamlit for the frontend, and the Google Gemini API for the AI model.

WhatsApp Chat Analyzer | *Python, Streamlit, Pandas, Matplotlib, Seaborn, NLTK, WordCloud*

- Developed an interactive web application that performs in-depth analysis of WhatsApp chat logs to reveal communication patterns and insights.
- Implemented automated testing for a critical module using Selenium, reducing regression bugs by 30% and ensuring a more stable release cycle.
- Implemented features for statistical analysis (total messages, words, media), timeline visualization (daily/monthly), and user-level contribution tracking.
- Integrated a Natural Language Toolkit (NLTK) based sentiment analysis model to evaluate the emotional tone of conversations and identify key positive and negative messages.
- Created dynamic data visualizations, including activity heatmaps, bar charts of most common words, and word clouds, to present complex data in an easily digestible format.

Predictive Analysis of Zomato Restaurant Data | *Python, Scikit-Learn, Pandas, Matplotlib, Seaborn, NumPy*

- To analyze key success factors for restaurants in Bangalore by leveraging a dataset of over 50,000 Zomato listings. The project aimed to deliver actionable insights on what drives high customer ratings.
- Built and trained a machine learning model using Scikit-learn to predict restaurant ratings with a high degree of accuracy.
- Identified the most influential predictors of a restaurant's success through feature importance analysis, providing a data-driven basis for strategic recommendations.
- Integrated a Natural Language Toolkit (NLTK) based sentiment analysis model to evaluate the emotional tone of conversations and identify key positive and negative messages.
- Created dynamic data visualizations, including activity heatmaps, bar charts of most common words, and word clouds, to present complex data in an easily digestible format.

Technical Skills

Languages: Python, Java, SQL, C, C++

Technologies: Django, Flask, TensorFlow, PyTorch, Bootstrap, Android SDK, Scikit-learn, NumPy, Pandas, OpenCV, Matplotlib, MySQL, MongoDB, PostgreSQL, SQLite3

Concepts: Machine Learning, Artificial Intelligence, Computer Vision, Object Detection, Deep learning, NLP, model deployment, ML pipelines, cloud computing, Data Structures and Algorithms, SDLC, Agile Methodology, Data Analysis, API Usage, Neural Network, Database Normalization, Operating System, Encryption, Decryption

Certifications & Training

- Udemy Certification: Complete Data Science, Machine Learning, DL, NLP Bootcamp
- LeetCode Certification: Introduction to Pandas
- Google Cloud Certification: Introduction to Generative AI
- Google Cloud Certification: Introduction to Large Language Models
- Kaggle Certification: Collector, Model Creator, Python Coder, Notebook Modeler, Dataset Creator, Code Forker, Model Tagger, Dataset Tagger, Stylish
- Forage (Deloitte) Certification: Data Analytics Job Simulation
- Forage (Commonwealth Bank) Certification: Introduction to Data Science Job Simulation
- Forage (British Airways) Certification: Data Science Job Simulation
- Forage (AWS) Certification: Solutions Architecture Job Simulation
- Microsoft Certification: Fundamentals of machine learning
- Microsoft Certification: Introduction to Python
- Microsoft Certification: Microsoft Azure AI Fundamentals: AI Overview
- Microsoft Certification: Fundamental AI Concepts
- NPTEL Certification: Data Base Management System