

# RHYTHM GANDHI

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## Education

### Pandit Deendayal Energy University

Bachelor of Technology in Computer Science and Engineering (9.3/10.0 CGPA)

July 2023 – September 2027

Gandhinagar, Gujarat

## Experience

### Fetal Health Prediction

November 2024 – Present

ML Research

Remote

- Engineered the pipeline with Scikit-learn, NumPy, and Matplotlib, optimizing feature selection and model evaluation metrics.
- Implemented a machine learning model for fetal health classification, achieving 95.37% accuracy using a Random Forest classifier in Python.

## Projects

### Gym Management System | SQL, DBMS, Data Modeling, MySQL/PostgreSQL

March 2025

- Designed and implemented a comprehensive database system to manage gym operations including memberships, trainers, equipment, and payments..
- Programmed optimized SQL scripts to insert and manage 9,000+ records across multiple relational tables ensuring data consistency and normalization.
- Automated tracking of trainer assignments, equipment inventory, and membership durations using relational constraints and JOIN operations..

### Warehouse Temp-Humidity Monitoring System | Arduino Uno, C, DHT11 Sensor, LCD, Embedded C

September 2024

- Engineered an embedded monitoring system using Arduino Uno and DHT11 sensor to track real-time warehouse temperature and humidity conditions.
- Programmed data acquisition and threshold-based alerts in C, optimizing system stability and sensor responsiveness for continuous environmental tracking.

## Technical Skills

**Languages:** Python (Advanced), JavaScript/TypeScript, C/C++, Java

**Infrastructure:** GCP (BigQuery, Data Warehousing), MongoDB, SQL, PostgreSQL, Docker.

**Frameworks & Libraries:** TensorFlow, Matplotlib, NumPy, PyTorch, Scikit-learn, ETL Pipeline Design

## Achievements

- Secured exclusive invitation to ACM Annual Summit through demonstrated expertise in explainable AI methodologies and intelligent system architectures.

## Leadership

### Anirveda-PDEU

July 2023 – Present

PR Head

Gandhinagar, Gujarat

- Hosted *Economia*, a flagship inter-college economics event, ensuring smooth stage coordination and audience engagement.
- Managed social media platforms, increasing follower engagement by 10% through creative campaigns and event promotions.
- Spearheaded all public communication strategies, enhancing the club's visibility and outreach.