

# Aryan Vaghasiya

Surat, Gujarat, India

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## EDUCATION

### C.K. Pithawala College of Engineering and Technology

Bachelor of Engineering in Information Technology

Affiliated with Gujarat Technological University

Cumulative CGPA: 8.67/10.0

Surat, Gujarat

Expected May 2026

## PROFESSIONAL EXPERIENCE

### Microsoft Corporation

Data & AI Intern

Virtual

July 2025 – July 2025

- Leveraged **Azure AI Fundamentals** to build scalable AI solutions and data-driven applications.
- Developed a **Natural Language Processing (NLP)** solution using Azure AI Language services (AI-3003).
- Explored and implemented **Generative AI models** within Azure Machine Learning for automated text generation.
- Conducted advanced data analysis using **Power BI**, transforming raw data into actionable insights aligned with PL-300 standards.

## KEY PROJECTS

### Bank Customer Churn Prediction (ANN)

Python, TensorFlow, Deep Learning

- Designed an **Artificial Neural Network (ANN)** to predict customer churn rates for a banking institution.
- Utilized a large dataset, performing feature scaling and encoding to optimize model accuracy.
- Achieved high predictive accuracy by tuning hyperparameters and implementing backpropagation algorithms.

### Heart Disease Prediction Model

Python, Scikit-learn, Pandas

- Developed a Machine Learning classification model to predict the likelihood of heart disease based on clinical parameters.
- Performed extensive **Exploratory Data Analysis (EDA)** to identify correlations between age, cholesterol levels, and heart conditions.
- Implemented Logistic Regression and Random Forest algorithms, optimizing for recall to minimize false negatives.

### Global EV Analytics Dashboard

Power BI, DAX, Data Modeling

- Created an interactive Power BI dashboard to track real-time electric vehicle performance worldwide.
- Analyzed key metrics including battery consumption, mileage, and charging times using **DAX**.
- Visualized global trends to assist in data-driven decision-making regarding EV infrastructure.

### Restaurant Management System

Flutter, Firebase, SQLite

- Built a cross-platform mobile application for table bookings and real-time order tracking.
- Integrated **Firebase** for real-time backend data syncing across staff and customer devices.

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, SQL, PHP, JavaScript, HTML, CSS
- **Machine Learning & Data Science:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, NLP, Azure AI
- **Web & App Development:** Flutter, REST APIs, Firebase, XAMPP, Android Studio
- **Cloud & Databases:** Microsoft Azure (AI Language, ML Studio), Power BI, MySQL, SQLite, Excel
- **Tools & DevOps:** VS Code, Git/GitHub, MS Office

## CERTIFICATIONS

- Microsoft Data & AI Skills Internship (2025)
- Azure AI Fundamentals (AI-900) (In Progress)
- Microsoft Power BI Data Analyst (PL-300) (In Progress)
- Introduction to Power BI (2025)

## ADDITIONAL INFORMATION

- **Languages:** English (Professional), Gujarati (Native), Hindi (Native)
- **Interests:** Financial Market Analysis, Technical Writing, Open Source AI
- **Soft Skills:** Cross-functional Team Collaboration, Problem Solving, Adaptability