

VAIBHAV PRAJAPATI

KALOL, GUJARAT

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EDUCATION

Saffrony Institute of Technology

June 2022 – June 2026

Bachelor of Engineering in Information Technology

CGPA: 7.67

INTERNSHIP

CreArt Solutions Pvt. Ltd.

02 July 2025 – 16 July 2025

Data Analytics Intern

Remote

- Learned data analytics basics including data cleaning, preprocessing, and analysis workflows.
- Applied statistical methods to analyze datasets and summarize key insights.
- Created simple reports and visualizations to clearly present data findings.
- Gained practical experience with real-world data handling and its role in business decision-making.

PROJECTS

IntelAI-BlastFurnace (Python, Machine Learning, Pandas, NumPy, Scikit-learn)

- Developed an AI-based predictive maintenance system for blast furnace operations.
- Trained a machine learning classification model using balanced industrial maintenance data.
- Performed data preprocessing and feature engineering to improve prediction accuracy.
- Serialized the trained model using **Pickle** for efficient reuse and deployment.
- Implemented a Python application to load the model and generate failure predictions.

AI-Based Career Guidance System (Python, Flask, scikit-learn, HTML, CSS, JavaScript)

- Developed a Machine Learning-based career recommendation engine using scikit-learn.
- Integrated the **OpenAI API** to power chatbot-based career assistance.
- Implemented autocomplete and structured dropdowns for cleaner user input.

Business Analytics Dashboard (Power BI) (Power BI, Data Visualization, Data Analysis)

- Designed an interactive business analytics dashboard using **Power BI**.
- Imported and transformed raw data using **Power Query Editor**.
- Created dynamic visualizations including KPIs, bar charts, and trend analysis.
- Implemented filters and slicers for real-time data exploration and insights.
- Enabled data-driven decision-making through clear and intuitive dashboards.

TECHNICAL SKILLS

Languages: C, C++, JavaScript, Python, PHP

Web Technologies: HTML, CSS, JavaScript (ES6+), AJAX, REST APIs

Frameworks / Libraries: Flask, scikit-learn, jQuery, PHPMailer, TCPDF, QR Code Generator

AI / ML: AI Agents, OpenAI API, Chatbot Development

Database: MySQL

Tools & Platforms: VS Code, Git, GitHub, Docker, Render, Vercel

CERTIFICATIONS

- Google Data Analytics Professional Certificate – Coursera
- Machine Learning by Andrew Ng – Coursera
- Microsoft Power BI Data Analyst (PL-300)