

# Dhruv Savaliya

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🌐 [hellodv.in](https://hellodv.in)    🐙 [github.com/dhruvsavaliya-bot](https://github.com/dhruvsavaliya-bot)

## SUMMARY

Results-driven Python Developer who has designed and implemented scalable backend systems and analyzed complex datasets using Flask, Pandas, and SQL. Proven ability to streamline workflows, optimize data pipelines, and deliver efficient solutions.

## PROFESSIONAL EXPERIENCE

**Data Analysis Intern** 12/2025 – 03/2026 | Ahmedabad  
*Qspiders (A software training Institute)*

- Built a Python-based data processing solution to handle large datasets, improving reporting efficiency by 70%
- Engineered automated Power BI dashboards using Python, reducing manual effort by X hours/week
- Designed modular data visualization components using Matplotlib, enhancing data readability
- Streamlined data workflows by implementing structured cleaning and transformation.

## EDUCATION

**Shree Maneklal M. Patel Institute Of Science And Research,** 04/2024 – 04/2026 | Gandhinager  
*Bachelor in Computer Science*  
CGPA - 7.65

## SKILLS

|                                                                                                                                       |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Programming Languages</b> <ul style="list-style-type: none"><li>• Python, JavaScript, Sql</li></ul>                                | <b>FrameWorks</b> <ul style="list-style-type: none"><li>• React Js, Flask</li></ul> |
| <b>Data &amp; AI Tools</b> <ul style="list-style-type: none"><li>• Pandas, Numpy, Ploty, PowerBI, Claude, Cursor, Replit AI</li></ul> | <b>Databases</b> <ul style="list-style-type: none"><li>• MySQL</li></ul>            |

## CERTIFICATES

**Python** 🌐  
• I earned a Python Certification where I demonstrated skills in Python programming, problem-solving, and backend development concepts.

**AI Engineer** 🌐  
• I also completed the AI Engineer Certification covering AI fundamentals, machine learning concepts, and practical AI application development.

## AWARDS

**Leadership Workshop Participant**  
Completed a 5 day program focused on improving teamwork, confidence, and communication skills

## PROJECTS

**DataAnalyzer Pro** 🌐  
• Language :- Python, Flask, Html, Css  
• Investigated uploaded datasets and generated interactive charts for actionable visual insights  
• Streamlined data cleaning, filtering, and summary generation into a single-click workflow  
• Implemented column-wise data selection, enabling seamless CSV/XML export functionality  
• Automated end-to-end data workflows, reducing manual effort by 70%

**Fault Detection System** 🌐  
• Language :- Python, Flask, scikit-learn, SQLite, JavaScript, HTML, CSS  
• Developed a real-time IoT fault detection platform using Rule-based, Z-score statistical, and Isolation Forest ML algorithms  
• Engineered a JWT-secured REST API with WebSocket-based live sensor monitoring and alert system  
• Implemented automated fault logging with severity classification across 6 sensor types: temperature, vibration, pressure, current, voltage, and humidity  
• Built a responsive full-stack dashboard for real-time analytics, live alerts, and sensor health tracking  
• Optimized anomaly detection workflows for faster fault identification and improved monitoring accuracy

**Expense Management Web App** 🌐  
• Languages :- ReactJs, NodeJs  
• Architected a full-stack expense tracking system with add/edit/delete functionality  
• Engineered category and date-based filtering, delivering real-time financial summaries  
• Designed an automated report generation feature for instant expense insights  
• Launched CSV export functionality and built an intuitive user dashboard  
• Modernized the UI with a fully responsive design, enhancing overall user experience