

# Ansh Bhavsar

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## EDUCATION

<b>Institute of Technology, Nirma University, Ahmedabad, Gujarat, India</b> <i>Bachelor of Technology in Computer Science</i>	Sept. 2022 – Jun 2026 CGPA: 9.09
<b>Hillwoods School, Gandhinagar, Gujarat, India</b> <i>Higher Secondary Education</i>	April. 2008 – Jul 2022 Percentage: 97

## SKILLS

**Programming Languages:** C, C++, Python  
**Web Technologies:** HTML, Flask, MySQL, Postgres  
**Tools and Frameworks:** Pandas, Numpy, Pytorch, Tensorflow, Tableau, Knime, Matlab  
**Coursework:** Natural Language Processing, Computer Vision, Deep Learning, Machine Learning, Data Analytics and Visualization, Soft Computing, Database Management Systems, Operating System, Data Structures

## PROJECTS

<b>Ahmedabad Metro</b> <i>Tools: Python, Flask, React, Leaflet, Pandas, Botpress, Gunicorn</i>	2025 🔗 — 🔗
<ul style="list-style-type: none"><li>Built a full-stack smart transit platform with Flask APIs and a React frontend, supporting route finding, nearby station detection, real-time schedules, facility listings, fare calculation, downloadable maps and route guides.</li><li>Implemented an interactive map interface using Leaflet and developed a multilingual chatbot using Botpress with three language support for user query handling.</li></ul>	
<b>SmartRoute Optimizer</b> <i>Tools: Pandas, OpenPyXL, Mapbox API, Geopy</i>	2025 🔗
<ul style="list-style-type: none"><li>Developed a route optimization tool leveraging genetic algorithms to optimize multiple objectives, including traffic classification, minimizing delivery times, and efficiently assigning vehicles, thereby increasing overall capacity utilization.</li><li>Designed an interactive UI with Streamlit to visualize results on a map, display shipment allocations, and export the data to Excel format for further analysis.</li></ul>	

## EXPERIENCE

<b>Intech Creative Services</b> <i>AI/ML Intern</i>	May 2025 – Jul 2025 Ahmedabad, Gujarat, India
<ul style="list-style-type: none"><li>Built a recruitment automation system by developing an LLM-based resume matcher using open-source models to rank candidates based on job descriptions.</li><li>Automated candidate outreach and screening using conversational AI powered by <b>ElevenLabs</b>, and designed workflows in <b>n8n</b> for interview scheduling, candidate acceptance/rejection.</li><li>Engineered a Flask backend integrated with <b>Google Chat API</b>, <b>OAuth 2.0</b>, and <b>Render-hosted PostgreSQL</b>, enabling automated chat space creation and bot deployment for team collaboration.</li></ul>	

## RESEARCH

<b>Power System Intrusion Detection with Ensemble Learning for False Alarm Mitigation</b> <i>IEEE Xplore Link</i>	2024
<ul style="list-style-type: none"><li>Developed an ensemble learning model using Decision Trees, Random Forest, and Logistic Regression algorithms, employing both voting and weighted average ensemble techniques for intrusion detection in power systems. The model achieved a notable accuracy of 98%, significantly reducing false alarm rates while effectively classifying various intrusion types.</li></ul>	