

# Riya Patel

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Github: <https://github.com/riya992>

## Education

Vellore Institute of Technology, Bhopal	CGPA: 9.00/10	Sep'22 – May'26
• B.Tech in Computer Science & Engineering		
Advait Vidyaniketan	12th: 82% 10th: 93%	Jun'18 – Mar'22
• Secondary & Higher Secondary School		

## Skills

**Languages:** Java, Python, Go

**Data Science & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, PowerBI, Tableau

**Web Development:** React.js, Next.js, HTML, CSS, JavaScript, Tailwind CSS, Node.js, Express.js, Flask, MongoDB, MySQL, REST API

**Machine Learning & Generative AI:** Supervised & Unsupervised Learning, Deep Learning, Generative Models, Prompt Engineering, TensorFlow, Scikit-learn

**Tools & Platforms:** GitHub, Postman, AWS, Salesforce

## Projects

### ServeIQ – Intelligent Restaurant Sales Prediction Github

- Performed comprehensive exploratory data analysis (EDA) on historical restaurant sales data to uncover key patterns across daily, weekly, monthly, and quarterly timeframes, improving business insights.
- Built interactive data visualizations using Matplotlib/Seaborn and deployed a Streamlit dashboard to monitor restaurant-wise and item-wise performance trends in real time.
- Identified top-performing restaurants and best-selling items through statistical aggregation, enabling optimized inventory and staffing recommendations.

### Marketing Data Analysis – Customer Insights Visualization Github

- Cleaned and preprocessed marketing data by handling missing values and formatting income, dates, and derived features like age and total spending.
- Conducted EDA using Seaborn and Matplotlib to visualize customer behavior across demographics and spending patterns.
- Generated insights from boxplots and histograms to support data-driven marketing strategies and customer segmentation.

### NetflixStreamLens – Exploratory Data Analysis Project Github

- Performed end-to-end EDA on Netflix dataset using Python (Pandas, Seaborn, Plotly) to uncover trends in genres, countries, and content types.
- Analyzed over 8,800+ titles to identify viewing patterns, regional content gaps, and release trends; presented insights using interactive visualizations.
- Cleaned and transformed real-world data, visualized global streaming trends, and extracted actionable insights for business storytelling.

## Certifications

- Professional Certificate Program in Generative AI and Machine Learning – IIT Guwahati
- Data Science - Simplilearn
- Full Stack Web Development – Apna College

## ECA Achievements

- Secured 1st prize in the "Read the Preamble" Quiz conducted by IIM Sirmaur.
- Selected among the top 20 out of 300+ participants for the North East Social Summit challenge= The Policymaker, IIT Guwahati
- Black Belt in Shorin Ryu Seibukan Karate