

Riya Patel

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Education

Vellore Institute of Technology, Bhopal	CGPA: 9.00/10	Sept 2022 – May 2026
• Btech in Computer Science & engineering,		
Advait Vidyaniketan	12th: 82% 10th: 93%	June 2018 – March 2022
• Secondary & Higher secondary School,		

Skills

Languages: Java, Python, C++

Frontend: ReactJS, HTML, CSS, JavaScript, Tailwind

Backend: Node.js, MySQL, MongoDB, ExpressJS, Flask

Machine Learning: Supervised Unsupervised Learning, Regression, Classification, Clustering, Model Evaluation

Data Science: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Plotly, Tableau, TensorFlow

Tools: GitHub, Postman, AWS (beginner)

Projects

GiftBloom – Full-Stack E-Commerce Gifting Website	Github: GiftBloom
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- Built a full-stack gifting platform using React.js, Node.js, Express.js, and MongoDB.
- Built a dynamic e-commerce gifting platform enabling users to browse, search, and purchase gifts with user authentication and personalized profiles.
- Developed an admin dashboard for efficient product and order management, including status updates and analytics tracking.
- Implemented features like shopping cart, order history, and product categorization to enhance usability and user engagement.

NetflixStreamLens – Data-Driven Analysis of Netflix Movies TV Shows	Github: NetflixStreamLens
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- Performed exploratory data analysis (EDA) on 8,800+ Netflix titles using Python (Pandas, NumPy, Seaborn, Plotly) to uncover trends in genre popularity, regional distribution, and release patterns.
- Developed interactive visualizations (pie charts, treemaps, choropleth maps) with Plotly to present insights on content evolution, audience preferences, and country-wise contributions.
- Cleaned and transformed raw dataset by handling missing values, parsing dates/durations, and standardizing columns to enable accurate analysis and actionable recommendations.

Home Loan Default Prediction – Deep Learning Project	Github: HomeLoan
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- Developed a deep learning model using TensorFlow and Keras to predict loan defaults from historical applicant data in a binary classification setting.
- Addressed class imbalance with SMOTE and evaluated model performance using AUC-ROC and Sensitivity, achieving an AUC of 0.92.
- Performed complete data preprocessing, including handling missing values, label encoding, feature scaling, and EDA using Pandas, Seaborn, and Matplotlib.
- Implemented training optimizations using EarlyStopping and ReduceLROnPlateau callbacks to prevent overfitting and enhance model generalization.

Certifications

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

ECA Achievements

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- 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