

Riya Patel

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

Education

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

Skills

Languages: Java, Python, C++

Frontend: React.js, Next.js, HTML, CSS, JavaScript, Tailwind CSS

Backend: Node.js, Express.js, Flask, MongoDB, MySQL, REST API

Machine Learning & Generative AI: Supervised & Unsupervised Learning, Deep Learning (CNN, RNN), Generative Models (GANs, VAEs), Prompt Engineering, TensorFlow, Scikit-learn

Data Science & Visualization: Pandas, NumPy, Matplotlib, Seaborn

Tools & Platforms: GitHub, Postman, AWS, Salesforce

Projects

GiftBloom – Full-Stack E-Commerce Gifting Website **Github: GiftBloom**

- Built a full-stack gifting platform using React.js, Node.js, Express.js, and MongoDB.
- Built a dynamic e-commerce gifting platform allowing users to browse, search, and purchase gifts with personalized profiles.
- Designed an admin dashboard for streamlined product and order management, with real-time status updates and analytics.
- Implemented features like shopping cart, order history, and product categorization to enhance usability and user engagement.

NetflixStreamLens – Exploratory Data Analysis Project **Github**

- Performed end-to-end EDA on Netflix dataset 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 the raw dataset, visualized global streaming trends, and extracted actionable insights for business storytelling.

Home Loan Default Prediction – Deep Learning **Github: HomeLoan**

- 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

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

ECA Achievements

- Won 1st prize in the 'Read the Preamble' Quiz at IIM Sirmaur
- Ranked in the top 20 of 300+ participants in the North East Social Summit challenge – The Policymaker, IIT Guwahati.
- Earned a Black Belt in Shorin Ryu Seibukan Karate.