

# Riya Patel

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## Full-Stack Developer | Gen AI/ML & Data Science Enthusiast

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Software Developer and B.Tech Computer Science student with expertise in the MERN stack, Java, and Python. Passionate about leveraging Data Science, Generative AI, and Machine Learning to build innovative solutions. Dedicated to continuous learning and applying cutting-edge technologies to solve real-world challenges.

## Education

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| <b>Vellore Institute of Technology, Bhopal</b>                | Sept 2022 – May 2026   |
| • Btech in Computer Science & engineering, GPA: 9.01/10       |                        |
| <b>Advait Vidyaniketan</b>                                    | June 2018 – March 2022 |
| • Secondary & Higher secondary School, 12th: 82 % ,10th: 93 % |                        |

## Skills

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**Languages:** Java, Python, C++  
**Frontend:** ReactJS, HTML, CSS, JavaScript, Tailwind, NextJS  
**Backend:** Node.js, MySQL, MongoDB, ExpressJS, Flask  
**Machine Learning:** Supervised & Unsupervised Learning, Regression, Classification, Clustering, Model Evaluation  
**Data Science:** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow  
**Tools:** GitHub, Postman, AWS (beginner)

## Projects

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| <b>GiftBloom</b> – MERN Stack E-Commerce Gifting Website   | Github: GiftBloom     |
| • Built a full-stack gifting site using React.js, Node.js, Express.js, and MongoDB.  |                       |
| • Implemented auth, product filters, cart, and secure payment.   |                       |
| • Designed an admin dashboard to manage products, orders, and analytics.   |                       |
| <b>AstraMedicare</b> – MERN Stack Doctor Appointment Booking System  | Github: AstraMedicare |
| • Built a full-stack appointment booking system using React.js, Node.js, Express.js, and MongoDB.                            |                       |
| • Implemented role-based authentication for Patients, Doctors, and Admins using JWT.   |                       |
| • Integrated features like online booking, EHR management, and secure payment gateway.                                       |                       |
| • Designed a responsive UI with Tailwind CSS and React Router DOM.   |                       |
| <b>Home Loan Default Prediction – DL Project</b>   | Github: HomeLoan      |
| • Developed a binary classification model using TensorFlow to predict loan default risk with over 85                         |                       |
| • Applied SMOTE for class imbalance correction and used callbacks, dropout layers, and AUC-ROC curve for model optimization. |                       |
| • Performed EDA, feature scaling, and model evaluation using confusion matrix, precision-recall, and ROC metrics.            |                       |

## Certifications

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| • <b>Full Stack Web Development</b> – Apna College   | • <b>Data Science</b> – Simplilearn + EICT-IITG       |
| • <b>Professional Certificate Program in Generative AI and Machine Learning</b> – IIT Guwahati | • <b>Cloud Computing</b> – NPTEL Certification Course |
| • <b>Machine Learning</b> – Simplilearn + EICT-IITG  | • <b>AWS Solutions Architect Course</b> – Ethunus     |
| • <b>Deep Learning</b> – Simplilearn + EICT-IITG   | • <b>Master C++ Programming Course</b> – GFG          |
|  | • <b>Bits and Bytes in CN</b> – Coursera              |