






Jahanvi

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Education

Cluster Innovation Centre, University of Delhi <i>B.Tech (Information Technology and Mathematical Innovations)</i>	2024 – 2028 Delhi, India
St. Mary's Convent School <i>Higher Secondary School - 94.25%</i>	2023 – 2024 Agra, India
St. Mary's Convent School <i>Secondary School - 99%</i>	2021 – 2022 Agra, India

Projects

Landing Page 	2024
Created an anime-themed landing page using HTML, CSS, and JavaScript. Used Flexbox for layout, hover effects for interactivity, and smooth animations.	
Rock, Paper, Scissors 	2024
Developed a console-based Rock-Paper-Scissors game in JavaScript, focusing on game logic, user interaction, and strengthening problem-solving and JavaScript concepts.	
Line Follower Bot 	2024
Developed and programmed a line-following robot for a competition using Arduino Uno, L298N motor driver, and IR sensors. Wrote code in Arduino IDE with a variant of C++. Implemented the Left Wall algorithm in 20 days, gaining insights into maze-solving algorithms and PID control.	
Recipe Website Homepage 	2024
Created an interactive recipe website homepage with a dynamic JavaScript navbar and typewriting animation, enhancing user engagement and experience.	
To-do list app 	2024
Developed a responsive To-Do List app using HTML, CSS, and JavaScript. Used media queries for responsiveness and localStorage for data persistence.	
Crime Prediction using Calculus	2024
Predicted crime rates using linear regression, quadratic regression, exponential growth, and data smoothing, analyzing testing data for accuracy in a semester-long project.	

Skills

Java | Python | C | HTML | CSS | JavaScript | Mathematica | Git | GitHub | Canva | Blender | Ibis Paint |
Robotics and Automation

Professional Experience

Head Girl <i>St. Mary's Convent School</i>	2023 – 2024
Served as Head Girl, delivering speeches and developing leadership, communication, time management, and teamwork skills while organizing school activities.	
Sports Vice Captain <i>St. Mary's Convent School</i>	2022 – 2023
Assisted in team management and event organization as Sports Vice-Captain, developing leadership, communication, and organizational skills.	
Techfest, IITB Meshmerize Zonal Round	2024
Participated in the zonal round of the Maze Solver Bot competition at Meshmerize, IIT Bombay Techfest, held in Jaipur, showcasing robotics skills.	