

# AISHANI SINGH

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## EDUCATION

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**Sardar Patel Institute of Technology**

*B.Tech, Computer Engineering*

Mumbai, IN

*Graduating in May 2027*

## PROJECTS

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**Flood Risk Prediction Model (Machine Learning Mini-Project)** | *Python, Machine Learning* November, 2024

- Designed and implemented an ML model leveraging machine learning techniques and real-time weather data to accurately predict flood risks.
- Processed and cleaned historical flood data, meteorological data, and elevation data to enhance the accuracy of the model.
- Utilized various ML models such as random forest, regression, and neural networks, achieving an accuracy of up to 95 percent.
- Deployed the model on Google Colab for testing and analysis.

**Napflix - A Streaming Platform (DBMS Mini-Project)** | *Python, SQL, Javascript* December, 2024

- Designed and optimized a robust SQL database structure for efficient content storage and user authentication.
- Implemented a secure login system with hashed password storage to enhance security.
- Enhanced database query performance and server response times for seamless data retrieval.
- Developed an interactive front-end using JavaScript and a secure back-end with Python and SQL.

**SheFunds - A Financial Literacy Platform for Women (Front-end Project)** | *Javascript* March, 2025

- Recognized with the Best Solution award at BBB-Frontend Hackathon hosted at SPIT.
- Crafted a responsive front-end interface with React.js and Tailwind CSS.
- Designed engaging UI components to showcase key features such as financial learning modules and calculators.
- Focused on user-centric design principles for easy access to financial resources and mentorship programs.
- Optimized the platform for accessibility and performance.

## TECHNICAL SKILLS

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- **Languages:** C, C++, Java, Python, SQL, HTML, CSS, Javascript
- **Developer Tools:** Bootstrap, Figma, Canva, Blender, Sculptris