

AISHANI SINGH

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Education

Sardar Patel Institute of Technology

Mumbai, IN

B.Tech, Computer Engineering

Graduating in May 2027

Experience

Former sub-committee member

Rotaract Club of SPIT

September 2023 - August 2024

- Mentored school children at Abhyudaya SPJIMR, impacting 50 students positively.

Projects

Flood Risk Prediction Model (Machine Learning Mini-Project)

Python, Machine Learning

November 2024

- Developed an ML model leveraging real-time weather data to predict flood risks, achieving a 95% accuracy rate.
- Cleaned and processed historical flood data, meteorological data, and elevation data to enhance model accuracy.
- Implemented various ML models like random forest, regression, neural networks, achieving up to 95% accuracy.
- Deployed the model using Google Colab for testing and analysis, ensuring accessibility and ease of use.

Napflix - A Streaming Platform (DBMS Mini-Project)

Python, SQL, Javascript

December 2024

- Designed and optimized a SQL database for efficient content storage, user authentication, and streaming history.
- Implemented a secure login system with hashed password storage to prevent security threats like SQL injection.
- Optimized database queries and server responses for seamless streaming experience.
- 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

- Awarded best solution in BBB-Frontend Hackathon at SPIT.
- Created a responsive front-end using React.js and Tailwind CSS for seamless user experience.
- Designed interactive UI components for financial learning modules, calculators, community posts, and literacy courses.

- Focused on user-centric design to empower women with financial resources and mentorship programs.
- Optimized for accessibility and performance, ensuring fast loading and usability for all audiences.
- Managed social media pages, marketing deals, and volunteered for social work.

Skills

Languages: C, C++, Java, Python, SQL, HTML, CSS, Javascript

Tools: Bootstrap, Figma, Canva, Blender, Sculptris