

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

Sardar Patel Institute of Technology

September 2023 - August 2024

- Mentored school children at Abhyudaya SPJIMR, fostering personal growth and academic development

Projects

Flood Risk Prediction Model (Machine Learning Mini-Project)

Python, Machine Learning

November 2024

- Led the design of an ML model leveraging machine learning and real-time weather data to predict flood risks with 95% accuracy
- Performed cleaning and processing of 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 on 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 passwords to mitigate security threats like SQL injection
- Optimized database queries and server responses for seamless streaming experience
- Developed an interactive front-end with JavaScript and a secure back-end using 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 with React.js and Tailwind CSS for financial empowerment
- Designed interactive UI components for financial learning modules, calculators, and community posts

- Focused on user-centric design to empower women with financial resources and mentorship programs
- Optimized for accessibility and performance to ensure quick loading and usability for all users
- Managed social media, marketing deals, and volunteered for social work

Skills

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

Tools: Bootstrap, Figma, Canva, Blender, Sculptris