

AISHANI SINGH

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Education

B.Tech, Computer Engineering

Sardar Patel Institute of Technology, Mumbai, IN

Graduating in May 2027

Experience

Former sub-committee member

Rotaract Club of SPIT, SPIT

September 2023 - August 2024

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

Projects

Flood Risk Prediction Model (Machine Learning Mini-Project)

Python, Machine Learning

November 2024

- Led the design of an ML model utilizing real-time weather data to predict flood risks.
- Processed historical flood, meteorological, and elevation data to enhance model accuracy.
- Implemented various ML models achieving an accuracy of up to 95% with algorithms like random forest and neural networks.
- 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 and user authentication.
- Implemented a secure login system with hashed password storage to mitigate security threats like SQL injection.
- Optimized database queries and server responses for efficient data retrieval and streaming performance.
- Developed an interactive front-end and secure back-end using Python, SQL, and JavaScript.

SheFunds - A Financial Literacy Platform for Women (Front-end Project)

Javascript

March 2025

- Achieved best solution recognition in BBB-Frontend Hackathon at SPIT.
- Developed a responsive front-end using React.js and Tailwind CSS for seamless user experience.
- Designed interactive UI components showcasing 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, ensuring fast loading and usability for all users.

Skills

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

Tools: Bootstrap, Figma, Canva, Blender, Sculptris