AISHANI SINGH

+91 9321677477 | aishanis1234@gmail.com | github.com/aishan1singh

Education

Sardar Patel Institute of Technology   *Mumbai, IN*
B.Tech, Computer Engineering   *Graduating in May 2027*

Experience

Former sub-committee member   *September 2023 - August 2024*
Rotaract Club of SPIT, SPIT

- Mentored school children at Abhyudaya SPJIMR, enhancing their academic performance by 20% through personalized guidance.

Projects

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

- Developed an ML model leveraging machine learning and real-time weather data to predict flood risks with 95% accuracy.

- Processed historical flood data, meteorological data, and elevation data to enhance model precision.

- Implemented various ML models like random forest, regression, neural networks, achieving an accuracy of up to 95%.

- Deployed the model using Google Colab for testing and analysis, ensuring accessibility and ease of use.

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

- 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 efficient data retrieval and seamless streaming.

- 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)   *March 2025*
Javascript

- Awarded best solution in BBB-Frontend Hackathon at SPIT for problem statement.

- Created a responsive front-end with React.js and Tailwind CSS, ensuring seamless user experience across devices.

- Designed interactive UI components showcasing financial learning modules, calculators, community posts, and literacy courses.

- Focused on user-centric design to provide women easy access to financial resources, tools, and mentorship programs.

- Optimized for accessibility and performance, ensuring quick website load times 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