

Swati Bhat

Computer Science and Engineering
KLE Technological University, Hubli

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.E.,CSE	KLE Technological University, Hubli	9.08 (upto 5th Semester)]	2022-Present
Pre-University Board	Vidya P. Hanchinmani PU College, Dharwad	98%	2020-2022
SSLC	GHS Bisgod	98.64%	2020

PROJECTS

- **Metropolitan City Design: Modern Transportation and City Navigation** Nov 2023 - Jan 2024
Tools: C programming language, Algorithms, Data structures, Problem Solving
 - Designed a menu-driven terminal application in C for efficient city navigation and metro service management
 - Implemented various data structures to display metro details, including routes, seat availability, ticket pricing, and estimated journey times.
 - Implemented algorithms for metro route optimization, seat booking, and monthly pass management
 - Created a file-based system for storing metro and city data, ensuring efficient storage and retrieval
- **Sentiment Analysis of Indian Political Tweets using LSTM and RNN models** Oct 2024 - Dec 2024
Tools: Python, Pytorch
 - Performed sentiment analysis on a tweets dataset using LSTM and RNN models.
 - Combined LSTM and RNN models with text representation methods (TF-IDF and Word2Vec) for comparative analysis.
 - Developed an efficient, high-performance model for the underexplored domain of Indian political tweets.
 - Provides valuable insights for politicians, researchers, and policymakers to understand public opinion.
- **CollabDocs: A Real-Time Collaborative Document Editing Platform** Mar 2025 - April 2025
Tools: React, Nodejs, MongoDB Atlas, socket.io, tailwind css
 - Developed a collaborative document editing platform named CollabDocs.
 - Enabled users to log in via Google, create documents with custom names, and invite multiple users to collaborate.
 - Implemented live editing with WebSocket-based sync and owners can manage and delete documents.
 - Helpful in real-time collaboration for anyone to co-edit and manage documents from anywhere.

SKILLS

- **Programming Languages:** C, C++, Python, HTML/CSS/JS
- **Frameworks/Libraries:** NumPy, Pandas, Node.js, Express.js, React, Basic Pytorch
- **Coursework :** Data Structures, OOPS, Operating Systems, System Software, Computer Network

ACHIEVEMENTS

- Authored and presented a research paper at the INCOFT Conference, Pune, 2025