

Sushmita Math

Third-Year B.E. Computer Science Engineering Student

KLE Technological University, Hubballi

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Education

KLE Technological University, Hubballi
B.E. in Computer Science Engineering
CGPA: 9.18/10

Nov 2022 – Aug 2026

RLS PU Science College, Hubballi
12th Grade: 95.03%

Sep 2020 – Apr 2022

Little Scholars Academy High School, Hubballi
10th Grade: 98.08%

May 2019 – Jul 2020

Skills

Technical Skills: C, C++, Python (Basics), SQL, MySQL, HTML, CSS, JavaScript, Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA)

Soft Skills: Problem Solving, Project Management, Multitasking and Prioritization, Adaptability and Quick Learning

Projects

WiDS Datathon 2024 – Predicting Metastatic Cancer Diagnosis Time

Global Top 10 (Challenge 2) | Kaggle Competition

- Built ML models (XGBoost, Random Forest, Logistic Regression) to predict time to metastasis after TNBC detection.
- Preprocessed data, engineered features, and optimized performance using Scikit-Learn.
- Achieved RMSLE: 80.67 (private) and 82.52 (public), ranking in Top 10 globally.
- Tools: Python, Pandas, Scikit-Learn, Kaggle.

Suspicious Activity Detection with YOLOv11

Roboflow Suspicious Detection Dataset (4,143 annotated images)

- Trained YOLOv11 on Roboflow's dataset (4,143 images) to detect suspicious actions, victims, and weapons.
- Applied data augmentation and preprocessing to boost model accuracy.
- Achieved top performance: mAP50 of 0.928 (Suspicious-Suspect & Victim), Recall up to 0.903.
- Tools: Python, YOLOv11, OpenCV, Roboflow.

Decentralized DNS Using Blockchain

- Designed a smart contract-based DNS system for decentralized domain name registration. Developed a Solidity program to handle domain creation, ownership, and retrieval on the blockchain.
- Ensured tamper-proof and transparent domain management by leveraging blockchain immutability.
- Technologies: Solidity, Smart Contracts, Ethereum (Conceptual), Remix IDE (Exploration).

Achievements & Certifications

- Top 10 Global Rank – WiDS Datathon (Kaggle), Metastatic Cancer Prediction Challenge (RMSLE: 80.67 Private LB)
- Full-Stack Web Development Bootcamp – Udemy (Angela Yu), built 16+ projects using HTML, CSS, JS, Node.js, React, MongoDB, Web3