

# NISHANT SHEORAN

@gmail.com @srmist.edu.in  LinkedIn  GitHub  Leetcode

## EDUCATION

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**BTech in Computer Science Engineering**, SRM Institute of Science and Technology 2022 - Present  
CGPA - 9.62

**Intermediate**, Delhi Public School 2021  
CGPA - 10

## EXPERIENCE

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**Project Intern** Jan 2024 - Feb 2024  
Notion Press *Chennai, India*

- Developed an Author Assistance Bot utilizing LangChain and OpenAI, enhancing author support.
- Skills:** LangChain, OpenAI, Python, Rest API, Teamwork

**Research Intern** Feb 2025 - Present  
Samsung R&D Institute India *Bangalore (Remote)*

- Working on advanced research project on Tensorized Large language Models
- Skills:** Quantum Computing, LLM, Tensor decomposition

## PROJECTS

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### Rainfall and Drought Prediction.

Developed an optimized **univariate Intesified LSTM model** for accurate rainfall prediction, integrated the SPI12 index to forecast drought conditions, in collaboration with **Dire Dawa University, Ethiopia, Africa**.

### Enhanced Real-Time Abnormal Event Detection in Video Surveillance for Safety and Security.

[IEEE Xplore](#)

Implemented a spatial-temporal encoder-decoder architecture with a binary classifier for effective real-time video analysis.

### An Adaptive Model for Vehicle Surveillance Using YOLOv3 with Spatial Pyramid Pooling.

[Soft Computing and Signal Processing, Springer](#)

Integrated CGANet for rain artifact removal, SPP for detection flexibility, and optimized NMS for improved precision.

### Liver Tumor Segmentation.

Conducted a comparative study on liver tumor segmentation, Fuzzy K-means, DenseNet, U-Net, ResNet-50, etc.

## SKILLS

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**Technical skills** C, C++, Python

**Frameworks and Tools** TensorFlow, Keras, NLTK, OpenCV, LSTM, Scikit-learn, Git & Jupyter

## POSITION OF RESPONSIBILITY

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**Lead** Nov 2023 - Present  
SRM Quantum Computing Club *Chennai, India*

- Leading real-time quantum computing projects, conducted workshops and hackathons to foster collaboration and technical growth.

## EXTRA-CURRICULAR ACTIVITIES

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- Sanchar Mitra, 5G use case lab member:** 5G technology based projects, spreading awareness into practical telecommunications services for public by DoT.
- Merit Scholarship Recipient:** Awarded annually by SRMIST for outstanding academic performance.