SAIRAM S

COMPUTER SCIENCE ENGINEERING | UNDER GRADUATE

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CAREER OBJECTIVE

- Passionate Computer Science Enthusiast with a relentless curiosity for diverse tech fields. A lifelong learner and voracious reader, staying updated with industry advancements. Driven by a competitive spirit, excels in challenging environments, and is dedicated to contributing effectively to collaborative projects.

EDUCATION

B.Tech Computer Science Engineering

National Institute of Technology Puducherry

📅 2022 – 2026   📍 Karaikal

- 8.27 CGPA

HSC (12th)

Aditya Vidyashram Gurugram, Puducherry

📅 2022   📍 Puducherry

- Final grade: 92%

SSLC (10th)

St.Patrick Matric Higher Sec, Puducherry

📅 2020   📍 Puducherry

- Final grade: 94.8 %

PUBLICATIONS

IOT Botnet Detection using a Hybrid of CNN-LSTM with Blockchain

IEEE

📅 MAR 2025   📍 Karaikal

Under guidance of Asst. Prof Dr. Karthik N

Built a CNN-LSTM model with blockchain integration for IoT botnet detection. Used SMOTE to improve detection of minority classes and ensured secure, tamper-proof logging with SHA-256.

AREA OF INTEREST

Networking   Quantum Computing

Artificial Intelligence and Machine Learning

Machine Learning   Cybersecurity

PERSONAL SKILLS

Public speaking   Eye for detail

Leadership and Teamwork   Fast learner

Innovative
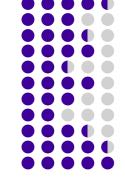
Time management

SOFTWARE SKILLS AND LANGUAGES

Skill	Level
PYTHON	●●●●◐
JAVA	●●●○○
JAVA SCRIPT	●●●◐○
HTML CSS	●●●○○
REACT	●●◐○○
INTELLIJ IDEA	●●●●○
QUISKIT	●●○○○
FLUTTER	●●○○○
JUPTER NOTEBOOK	●●●◐○
FIGMA	●●●◐○
MYSQL	●●●●●

LANGUAGES

Language	Level
English	●●●●●
Tamil	●●●●●
French	●●●○○

INTERNSHIPS

Explainable AI with Image processing ML algorithms
National Institute of Technology, Puducherry

📅 JULY 2023-NOV 2023   📍 Karaikal

Under guidance of Assoc. Prof Dr.Surendiran B
- Implemented machine learning algorithms with Explainable AI (XAI) in image processing, emphasizing transparency. Gained expertise in data preprocessing and model training for interpretable image classification.

Gallabox Platform to Pipedrive Integration
GALLABOX

📅 JAN 2024-APR 2024   📍 Chennai

Under guidance of Balakrishnan R , Navayuvan S ,Gallabox
- Integrated WhatsApp API with Gallabox and Pipedrive to enable real-time messaging and automate data synchronization. This integration improved customer engagement and enhanced CRM efficiency by streamlining communication tracking and response times.

E-Commerce Platform Development for OneYes InfoTech Solutions
OneYes InfoTech Solutions

📅 DEC 2024-JAN 2025   📍 Chennai

Under guidance of Saranya A , Sarath Kumar M
- Designed and built an e-commerce website from scratch using Figma for UI and HTML, CSS, JavaScript for development as part of a web dev team.

PROJECTS

Quantum Machine Learning: Efficient implementation of quantum machine learning algorithms
NATIONAL INSTITUTE OF TECHNOLOGY

📅 AUG 2023–NOV 2023   📍 Puducherry

- under Asst.Prof. Dr. Venkatesan M, CSE Dept., NIT Puducherry
- Studied basics of QML and implemented QML algorithms to design efficient cybersecurity solutions. Developed foundational skills in merging quantum computing principles with machine learning .

Optimal Band Selection from Hyper-spectral Images using Quantum Machine Learning
NATIONAL INSTITUTE OF TECHNOLOGY

📅 JUL 2024-NOV 2024   📍 Puducherry

- under Asst.Prof. Dr. Venkatesan M, CSE Dept., NIT Puducherry
- Used PCA, KPCA, QPCA, Isomap, and MDS to reduce hyperspectral image dimensions and improve classification accuracy on benchmark datasets, showcasing QPCA's efficiency.

Protein Secondary Structure Prediction Using Quantum-integrated Transformers
NATIONAL INSTITUTE OF TECHNOLOGY

📅 Ongoing   📍 Puducherry

- under Asst.Prof. Dr. Sanjay Bankapur, CSE Dept., NIT Puducherry
- Building and using custom-quantum transformers on amino-acid sequence datasets for protein structure prediction.