

Sairam S

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EDUCATION

National Institute of Technology, Puducherry <i>B.Tech in Computer Science and Engineering</i> CGPA: 8.43	2022 – 2026 Karaikal, India
Aditya Vidyashram Gurugram <i>Higher Secondary Certificate (HSC)</i> Grade: 92%	2022 Puducherry, India
St. Patrick Matric Hr. Sec. School <i>Secondary School Leaving Certificate (SSLC)</i> Grade: 94.8%	2020 Puducherry, India

EXPERIENCE

OneYes InfoTech Solutions <i>Web Development Intern – E-Commerce Platform</i>	Dec 2024 – Jan 2025 Chennai, India
<ul style="list-style-type: none">Designed and developed a full e-commerce website using HTML, CSS, JavaScript, and Figma.Collaborated in a web development team to build and deliver a production-ready platform.	
Gallabox <i>Platform Integration Intern – WhatsApp API + CRM</i>	Jan 2024 – Apr 2024 Chennai, India
<ul style="list-style-type: none">Integrated WhatsApp API with Gallabox and Pipedrive to enable real-time messaging and CRM sync.Enhanced customer engagement and automated communication workflows to improve CRM efficiency.	
National Institute of Technology, Puducherry <i>Research Intern – Explainable AI with Image Processing</i>	July 2023 – Nov 2023 Karaikal, India
<ul style="list-style-type: none">Implemented machine learning algorithms with Explainable AI (XAI) in image processing, emphasizing model transparency.Handled data preprocessing and model training for interpretable image classification.	

PROJECTS

Protein Secondary Structure Prediction using Quantum Transformers <i>Python, Qiskit, Transformers</i>	Ongoing
<ul style="list-style-type: none">Building custom quantum-integrated Transformer models for protein structure prediction.Trained on amino acid sequences to classify secondary structures using DSSP-8 labels.	
Optimal Band Selection from Hyperspectral Images using QML <i>Python, ML</i>	July 2024 – Nov 2024
<ul style="list-style-type: none">Used hybrid dimensionality reduction techniques to classify hyperspectral data.Improved classification accuracy while demonstrating the efficiency of quantum methods.	
Quantum Machine Learning Algorithms for Cybersecurity <i>Python, Qiskit</i>	Aug 2023 – Nov 2023
<ul style="list-style-type: none">Studied and implemented quantum ML algorithms for designing efficient cybersecurity solutions.Merged quantum computing principles with classical ML approaches for experimental threat detection.	

PUBLICATIONS

IoT Botnet Detection using a Hybrid of CNN-LSTM with Blockchain <i>IEEE</i>	March 2025
<ul style="list-style-type: none">Proposed a CNN-LSTM model integrated with Blockchain for secure and tamper-proof botnet detection in IoT networks.Used SMOTE for minority class handling and implemented SHA-256 for secure event logging.	

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS
Frameworks & Libraries: React, Flutter, Qiskit, NumPy, Pandas
Developer Tools: Git, IntelliJ IDEA, VS Code, Jupyter Notebook, Figma
Concepts: Quantum Computing, Machine Learning, Explainable AI
Databases & Backend: MySQL, Firebase
Platforms: Google Colab, GitHub