

# Jayashre K

 [fromjyce](#)  [Portfolio](#)  [LinkedIn](#)  [Google Scholar](#)  [jaya2004kra@gmail.com](mailto:jaya2004kra@gmail.com)

## EDUCATION

**Shiv Nadar University, Chennai**

August 2026

*B.Tech in Computer Science and Engineering, specializing in Cybersecurity*

**Sri Srimathi Sundaravalli Memorial School, Chennai**

June 2022

*Biology - Math*

## SKILLS

**Languages & Tools:** C/C++, Python, Java, JavaScript, HTML/CSS,  $\text{\LaTeX}$ , SQL, Solidity, Scala, Kotlin, Shell & Bash Scripting, Git/GitHub, Sphinx, ReactJS, ElectronJS, Flask, NextJS, ViteJS, Microsoft Suite, Wireshark, Burpsuite

**Interpersonal Skills:** Leadership, Time Management, Effective Verbal & Written Communication, Adaptability, Problem Solving

## PROJECTS

**SecureDash** | *ElectronJS, HTML, CSS, Javascript, Flask, Python, PowerBI, MySQL, TensorFlow-Keras*

May 2024

- A real-time monitoring dashboard leveraging machine learning to enhance Smart Grid security against cyber threats.

**BotDetect** | *Flask, HTML, CSS, Javascript, Graph Tool, Python, Machine Learning, Wireshark*

March 2024

- A graph-based ML model for botnet detection utilizing feature selection to enhance detection rates, reduce complexity, and improve robustness against zero-day attacks.

**PenGUIn** | *PyGTK, Shell Script, System Security*

Oct. 2023

- Team-developed user-friendly Linux app for SIH 2023 Hackathon, enabling essential and advanced OS hardening on Ubuntu with streamlined one-click features.

**Deepfake Detection with InceptionResNetV2 & BiLTSM** | *OpenCV, CNN, RNN, Google Colab*

Sept. 2023

- Developed a 90%+accurate deepfake detection model from 400 Kaggle videos, enhancing digital forensics, and created a user-friendly detection website.

## EXPERIENCE

**Summer Research Fellow** | *IAS-INSANAAS*

May 2024 - Ongoing

Selected as a Summer Research Fellow by the prestigious Science Academies of India, conducting research under the guidance of Dr. C Pavan Kumar at IIIT Dharwad

**Technical Content Writer Intern** | *CoConnexion*

July 2023 - Sept 2023

Writer of tech blogs and articles on emerging technologies for LinkedIn and Medium.

## PUBLICATIONS

Jayashre, & Amsaprabhaa, M. (2024). **Safeguarding Media Integrity: A Hybrid Optimized Deep Feature Fusion based Deepfake Detection in Videos.** *Computers & Security, Elsevier, 142*, 103860.

10.1016/j.cose.2024.103860, Impact Factor: 5.6, Annexure 1 (Q1 Journal).

## ACHIEVEMENTS

**July 2023** - Selected as a SheCodesFoundation scholar, honing web skills and actively engaging in a vibrant coding community.

**March 2023** - Selected as a 2023 Women Engineer Scholar, ranking in the top 1% among 27,000 applicants for the TalentSprint-Google supported program.

**March 2024** - Awarded first prize in Cyber Colloquy 3.0: Deepfake Discovery Global Hackathon, organized by Shah And Anchor Kutchhi Engineering College, with a cash prize of Rs. 5000.