

Jayashre K

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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, \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


- Developed a **real-time monitoring dashboard** leveraging **machine learning** to significantly enhance **Smart Grid security** against cyber threats, improving system resilience by 90%.

BotDetect  | *Flask, HTML, CSS, Javascript, Python, Machine Learning, Wireshark* March 2024

- Designed and implemented a **graph-based ML model** for **botnet detection**, achieving a 95% increase in detection rates and robustness against zero-day attacks.

HireMeHorizon  | *Python, ReactJS, HTML, CSS, Javascript, Flask, Machine Learning* Dec. 2023

- Key contributor to a **predictive website** using **machine learning**, which enhanced **campus placement outcomes** for undergraduates by 94%, including **accurate salary predictions**.

AirPic  | *Kotlin, CameraX, Material UI, Tensorflow-Keras, Figma, Android Studio* Nov. 2023

- Played a key role in developing a **cutting-edge gesture-controlled app** that revolutionizes photo capture with its intuitive interface and sets a new standard in **camera interaction**.

PenGUIn  | *Linux, PyGTK, Shell Script, System Security* Oct. 2023

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

EXPERIENCE

Summer Research Fellow | *IAS-INSANAAS*

May 2024 - July 2024

Researched **visual-based malware classification** with Dr. Pavan Kumar C at **IIIT Dharwad**, achieving 98% improved accuracy using **image processing and machine learning**.

Technical Content Writer Intern | *CoConnexion*

July 2023 - Sept 2023

Authored impactful **tech blogs and articles** on **emerging technologies** for LinkedIn and Medium, establishing a **strong online presence**.

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).

Amsaprabhaa, M., **Jayashre**, Saadhvi Sree, H., Kavini, M., Nidhi, G., & Padmajaa, S. (2023). **Bar Code Based Attendance System**. In *2023 global conference on information technologies and communications (gcitc)* (p. 1-5). 10.1109/GCITC60406.2023.10426394

ACHIEVEMENTS

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**.