SRIRAM BALAMURUGAN

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Education

B.E. Computer Science and Engineering - Hindusthan Institute of Technology
Current CGPA : 8.79 — 2021 - present | Coimbatore

12th - PMG Matric. Higher Sec. School
Percentage 88.50% — 2020 - 2021 | Coimbatore

10th - PMG Matric. Higher Sec. School
Percentage 84% — 2018 - 2019 | Coimbatore

Technical skills

Programming Languages:	**Web Development:**	**Database:**
Java, Python	HTML5, CSS3, JavaScript	MySQL

Developer tools:	**Operating system:**	**Testing tools:**	**Devops tools:**
Github, VS Code, PyCharm, Jupiter notebook, Eclipse	Linux, Windows	Selenium	Git, Jenkins

Professional Experience

IOT - Implant training   NoviTech R&D Pvt Ltd Jan 2023 - Jan 2023 | Coimbatore
- I learned more than 80% of the basic IOT concepts
- As a team of 3 members, we build 3 mini-projects using sensors and Arduino Uno.

Cybersecurity Analyst - Virtual internship   TATA Consultancy Services May 2024 - May 2024
- I worked as an IAM developer and created an identity-based access management plan which increased efficiency to 40% for business growth

Projects

Plant Disease Predictor (CNN Model): *view-project* Sep 2023 - Sep 2023
- Spearheaded AI solution using deep learning for rapid plant disease identification and management; achieved an 95% accuracy increase and 40% crop loss reduction.
- **Technology Stack:** Python (version: 3.7.12) and TensorFlow (version: 2.11)

Chat Application (Socket Programming): *view-project* Jul 2024 - Jul 2024
- This project involved developing a chat app using Java network programming, which increased my proficiency in Threads, Sockets, and AWT by 30%
- **Technology Stack:** Socket programming, Java Thread, AWT- Abstract Window Toolkit.

Automation testing using selenium: *view-project* Oct 2024 - Oct 2024
- I gained experience in automation testing using Selenium to test website functionalities like authentication, search, and adding/deleting employees.
- **Technological Stack:** Selenium, Java, Maven, and JUnit.

Certificates

- Cybersecurity Essentials (CISCO)
- Google Cybersecurity professional certificate (Grow with Google on Coursera)
- Python Zero to Hero (GUVI)
- Data Visualization in Python (GUVI)
- Programming using Java (Infosys Springboard)

Workshops

- Live workshop on ChatGPT & AI tools (Skill Nation)
- Fundamentals of Docker and Kubernetes (Scaler)
- Building an e-commerce platform using React-js (Scaler)

Achievements

- Led a team of six in **Pentathon 2024**, achieving 470th place out of 5149 teams by successfully cracking 3 flags, including 2 personally.
- Directed a team of five in **PicoCTF 2024**, securing 1737th place out of 6957 teams by cracking 21 flags, including 20 personally.