SRIRAM BALAMURUGAN

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Education

B.E. Computer Science and Engineering - Hindusthan Institute of Technology
Current CGPA : 8.83
2024 - present | Coimbatore

12th - PMG Matric. Higher Sec. School
Percentage 89%
2020 - 2021 | Coimbatore

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

Technical skills

Programming Languages:	**Web Development:**	**Database:**
Python, Java	HTML, CSS, JavaScript	MySQL
Developer tools: Github, VS Code, PyCharm, Intellij, Jupiter notebook	**Operating system:** Linux, Windows	**Devops tools:** Docker, Git

Professional Experience

IOT - Implant training   NoviTech R&D Pvt Ltd   Jan 2023 - Jan 2023 | Coimbatore,Tamilnadu
- I learned more than 80% of the basic IOT concepts
- As a team of 3 members, we Build 5 mini-projects using sensorsbuild and Arduino Uno.

Cybersecurity Analyst - Virtual internship   TATA Consultancy Services   May 2024 - May 2024
- I worked as an IAM developer and created an integrity-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: Python 3.x) and TensorFlow (Version: TensorFlow 2.x).

Webpage based on picture exploration: *view-project*   Nov 2023 - Nov 2023
- This project is a fusion of frontend design and API integration, resulting in a 25% reduction in page loading time.
- **Technology Stack:** Backend (API calls & DOM manipulation) JavaScript, Integrated API Unsplash-api.

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.

Certificates

- Introduction to Cybersecurity (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 Pentagon 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.