

SRIRAM BALAMURUGAN

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Education

B.E. Computer Science and Engineering - Hindusthan Institute of Technology

Current CGPA : 8.83

2021 - 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:

Python, Java

Web Development:

HTML5, CSS3, JavaScript

Database:

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

- 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

- 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.