

# Surya B

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|  My Portfolio |

## PROFILE

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Aspiring tech savant with extensive expertise in Artificial Intelligence (AI) , Machine learning (ML) , Deep learning (DL), complemented by front-end skills (HTML, CSS, JS). Driven by a passion for critical thinking and problem-solving. Excited to contribute to your company's success and growth with my technical skills and passion for AI.

## SKILLS

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- Artificial Intelligence (AI)
- Machine Learning (ML)
- Deep Learning (DL)
- Web Development
- Python
- Documentation

## PROJECTS

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- FaceIntuit - A Deep Face Detection Website** Aug **2024** - Currently working

Developed a web interface for our machine learning project submission in the Smart India Hackathon 2024, using HTML, CSS, and JavaScript to create a user-friendly experience. The frontend is integrated with a Flask-based backend, which will handle deep face detection functionality that is currently under development. This project showcases the application of advanced AI techniques, aiming to seamlessly merge both frontend and backend components for a smooth and efficient user interaction.

**My Role** : Web Developer .

**Technologies Used** :

Models : CNN, RNN, GAN.

Frontend Development : HTML, CSS, JAVASCRIPT.
- Surya - My Portfolio** April **2024** - May **2024**

Designed a responsive portfolio site using HTML, CSS, and JavaScript, with dedicated sections for About, Skills, Experience, Projects, and Education. A collaboration form with validation was included, along with dynamic content handled via JavaScript. Analytics tools like Google Analytics and Microsoft Clarity were integrated for tracking user interactions. The project was managed using Git for version control and deployed smoothly on GitHub Pages.

**My Role** : Web Developer .

**Technologies Used** :

Frontend: HTML, CSS, JavaScript.

Web Analytics: Google Analytics, Microsoft Clarity.

Version Control: Git, GitHub.

Deployment Platform: GitHub Pages.

- Vision SoC - An Image upscaler Model** April 2024 - May 2024  
A High-Resolution Image Enhancement Application developed with ESRGAN (Enhanced Super-Resolution GAN) to drastically improve image quality by refining clarity and retaining intricate details. Milestone: Achieved flawless upscaling, preserving complex textures while enhancing overall sharpness for exceptional image output. Future goals involve adapting the application for processing satellite images to support advanced imaging needs.  
**My Role** : Documentarian .  
**Technologies Used** :  
Frontend: HTML, CSS, JavaScript.  
Algorithm: ESRGAN.  
Backend: Python and Flask.
- Chat SoC - An AI powered chatbot** March 2023 - May 2023  
An AI-driven chatbot created to enable seamless, human-like interactions while providing enhanced features via API integrations. Utilizing advanced natural language processing (NLP) techniques, it comprehends user queries and responds contextually. The bot is capable of handling a variety of tasks, improving user experience through intelligent conversation management. Its architecture allows for continuous learning and adaptation, ensuring relevant and timely assistance for users.  
**My Role** : Documentarian .  
**Technologies Used** :  
Backend : Python.  
Algorithm : Natural Language Processing (NLP).

## EDUCATION

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**Kathir College of Engineering** 2021-2025

B.Tech Artificial Intelligence and Data Science

CGPA : 7.452 /10

**Perks Matriculation Higher Secondary School**

**Higher Secondary Education** 2019-2021

Grade : 88.83 %

**Perks Matriculation Higher Secondary School**

**Senior Secondary Education** 2018-2019

Grade : 81. 6 %

## NON TECHNICAL SKILLS

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- Team Player
- Bias for action
- Problem solving
- Communication

## CERTIFICATIONS

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**Generative AI with Large Language Models** - Coursera

**Machine Learning basics** - Great Learning

**Deep Leaning Basics** - Simplilearn

**HTML,CSS,Javascript for Web Developers** - Coursera

**Python** - Edureka

## LANGUAGES

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- English
- Tamil
- Hindi