SURYA S S

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EDUCATION

Bachelor of Technology | Bannari Amman Institute of Technology   Erode, TN, India | **08/2020 - 05/2024**

- Major in Information Technology | CGPA: **8.99/10**.
- Relevant Courses: Computer Programming, Data Structures, Design and Analysis of Algorithms, Database Management System, Operating Systems.
- Individual Courses: Artificial Intelligence, Internet of Things, Cryptography, Project Management.

INTERNSHIP

Web Designing | Kaashiv Infotech   Chennai, TN, India / **07/03/2022 – 27/03/2022**

- Learned Basics of Web Designing and Development.
- Web Designing Tool - Figma.
- Web Development- HTML, CSS, Javascript.

SKILLS, TOOLS AND LANGUAGES

- C | C++ | Java | HTML | CSS | Javascript | JQuery | MySQL.
- Git | VS Code.
- Full-Stack | Problem-Solving | Leadership | English, Tamil – *All professional proficiency or above.*

PROJECTS

- **Student Management System:** [C++ | OOP] – **2022**   This simple student management project is done using C++. In this c++ student management system Project, the user can create, display, and modify the student records. We can Add Student details, Edit Student Details and Search for Student details. The Program contains the Student ID, Student Roll No, Student Name, Student Father, Student Mobile Number, Student Date of Birth and Student Address.

- **Handwriting Recognition:** [Python | OpenCV | CNN | Java | Android Development | Firebase | Deep Learning] – **2023**   Developed a real-time character recognition system for handwriting education using **deep learning** and **image processing** techniques. Collected an extensive dataset of handwritten characters to ensure diversity in writing styles and variations. Trained a machine learning model achieving over 95% recognition accuracy using **CNN**. Implemented a **feedback mechanism** to provide timely and personalized responses, significantly enhancing the handwriting learning experience. Documented the system and provided user training for seamless integration into educational settings.

- **Outfit Recommender:** [React Js | Python | Flask | Deep Learning | CNN | RESNET 50 & VGG 16] – **2024**   Developed an AI-based Personalized Outfit Recommender using **CNN** algorithms to provide tailored outfit recommendations based on user preferences, event types, and real-time weather conditions. The platform integrates **weather data** and advanced image recognition to analyze the user's wardrobe, creating personalized combinations. The **Try On** module uses computer vision to allow users to virtually try on outfits, considering body shape, size, and posture, enhancing engagement and confidence. Featuring an intuitive interface for effortless outfit exploration, the system adapts to trends and user feedback. This platform aims to revolutionize fashion choices with a sophisticated, personalized, and user-friendly experience.

ACHIEVEMENTS

- Solved 100+ problems in Leetcode and earned **50 Days Badge** 2023. [ID- surya_1512]
- Awarded by the Kaashiv Infotech team for contributions during the **Web Designing** Internship (03/2022).

EXTRACURRICULARS

- Participated in **Virtual Quiz** organized by Green Eco Organization on the occasion of International Tigers Day (2021).
- Participated in **The International Conference on "Emerging Technologies for Sustainable Food Industry"** at Rajalakshmi Engineering College (2022).
- Participated and presented a paper titled **"Smart Car Parking System using IOT"** in the event **International Conference on Innovative Trends in Engineering and Technology"** organized by KJ College of Engineering & Management Research (2022).
- Participated and presented a paper at the **ZvAtra 2k22** event at Rajalakshmi engineering college (2022).
- Participated in the Web Development Hackathon **"Webknight"** organized by TechBairn (2022).
- Participated in **Accenture Innovation Challenge** organized by Accenture (2023).