SINCHANA S URS

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EDUCATION

Adichunchanagiri Institute of Technology, Chikkamagaluru, Karnataka **Present**
 B.E in Computer Science- CGPA - 8.35/10.00 *Chikkamagaluru, Karnataka*
Sri Sai Angels PU College, Chikkamagaluru, Karnataka **April 2022**
Department of Pre-University Education, Karnataka - Percentage – 74.16% *Chikkamagaluru, Karnataka*
St. Mary's International School, Chikkamagaluru, Karnataka **June 2020**
Council for the Indian School Certificate Examinations, New Delhi- Percentage – 83.6% *Chikkamagaluru, Karnataka*

COURSEWORK / SKILLS

-Data Structures & Algorithms   -Database Management System – Cybersecurity   -OOPS   -Machine Learning

PROJECTS

Teat and Udder Disease Detection in Cattles ↗ | Python, VGG-16

- Designed an AI-based system to detect 7 cow udder conditions using deep learning and computer vision techniques.
- Applied preprocessing techniques like Median Filtering, High-Pass Filtering, and Canny Edge Detection to enhance image quality.
- Performed multifeatured extraction using VGG-16 and histogram features, followed by Random Forest for disease classification.
- Built an interactive Streamlit web app with real-time image analysis, disease prediction, and treatment recommendations.

Kalika ↗ | Next.js, TypeScript

- Kalika is a smart learning platform designed for SSLC and 2nd PUC students.
- Inspired by the Kannada word for "learning," Kalika offers personalized lessons, interactive quizzes, and progress tracking to make studying easier, smarter, and more engaging.
- Real-time feedback to enhance learning.
- Implemented features like streak maintenance, daily challenges, study guidance and many other student friendly requirements.

TECHNICAL SKILLS

Languages: C, C++, Python, Basic JavaScript and SQL
Databases: MongoDB, PostgreSQL
Operating Systems: Windows
Version Control: Git, GitHub
Technologies/Frameworks: Streamlit, Next.js, TypeScript
Web Services and Web Technologies: AWS, HTML, CSS
Soft Skills: Time Management, Problem Solving, Teamwork, Communication

EXTRACURRICULAR

- Participated in FOSS HACKATHON 2025
- Winners: Kannada Rajyotsava Dance Competition 2024

CERTIFICATIONS

-NPTEL online certification in Machine Learning.
-Infosys Springboard: Introduction to Artificial Intelligence certification.