SIDAARTH BALAJI

sidaarth51@gmail.com
f20201026@goa.bits-pilani.ac.in
www.linkedin.com/in/sidaarth-balaji

Education

- **Bachelor of Engineering, Electronics and Communication Engineering** 2020 - 2024
  Birla Institute of Technology and Science Pilani, KK Birla Goa Campus **CGPA:** 7.92/10
  - **Courses:** Machine Learning, Data structures and Algorithms, Object Oriented Programming, Digital Design, Digital Signal Processing, Mobile Telecommunication Networks
- **Indian School Certificate Examination** 2020
  Council for the Indian School Certificate Examinations, New Delhi **Percentage:** 96%
- **Indian Certificate of Secondary Education** 2018
  Council for the Indian School Certificate Examinations, New Delhi **Percentage:** 91%

Experience

- **Ericsson, Chennai** July 2023 - December 2023
  Data Science Intern
  - Created an end to end Scanner application, which takes code, metadata and log files as input and displays a trustworthy AI score. The scanner was coded in python. I used HTML, CSS and Javascript to create the UI and Flask framework to create the web application. The TWAI score is calculated by taking all 7 principles of TWAI into consideration with each principle having a varying weightage. Open source Large language models were used for code, metadata summarization and question answering.
  - Tools & technologies used: Generative AI, Python, HTML, CSS, JavaScript
- **Swecha, Gachibowli** May 2022 – July 2022
  Summer Intern
  - Worked on app development at Swecha. Created an app that accept complaints from the public regarding civic issues.
  - Tools and technologies used: Jetpack compose, Retrofit.

Projects

- **Time frequency analysis of physiological signals** January 2023 - May 2023
  - Worked under Prof. Anurag Nishad to classify various physiological signals like EEG and ECG based on features extracted from them.
  - Using methods such as Empirical Mode Decomposition and Tunable Q-factor Wavelet Transform to decompose the signals into sub-signals and then using algorithms such as RELIEFF to rank features extracted from them for classification.
  - Tools & technologies used: MATLAB, Machine Learning.
- **Property price prediction** January 2023 - March 2023
  - Worked on a Bangalore property price dataset from Kaggle. After data cleaning and Feature Engineering on the data, I created a Regression model.
  - I built a website for price prediction using Python Flask. The website was deployed on AWS.
  - Tools & technologies used: Python, Machine Learning, Flask, AWS

Skills and Interests

Interests: Machine Learning, Deep Learning, Generative AI
Programming Languages:C++, Python, MATLAB, Java, HTML, CSS, JavaScript.
Languages Spoken: English, Tamil, Telugu.