

Shantha kumar

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Education

- Sri Venkateswara College of Engineering (Anna University) 2017-2021
B.Tech in Information Technology; GPA: 7.41/10.0

Experience

- **Solarillion Foundation** 2019-Present
Undergraduate Research Assistant
 - Designed a Machine learning Model which could predict the flight delay in minutes before arrival.
 - Currently Investigating about the useability and the manipulation of physiological signals for DeepLearning Models.
- **FORESE(Forum of Economic Studies by Engineers)** 2019-2020
Tech Head
 - Designed and Maintained a website of the club
 - Designed a test software which was used to conduct Aptitude tests for the pre-final year students.
 - Mentored 10 students in web-dev and design.

Research and Publication

- **Real-time Attention Span Tracking in Online Education**
Published at the MIT-Undergraduate Research Technological Conference(URTC) in 2020

Projects

- **Vehicle Detection and Integration In database**
This project uses the CCTV footage to find a suspect vehicle, This project makes use of various parameters like License Plate number, Make and model, Color, Peculiar Attachments for detection. All the features extracted will also be stored in Firebase.
- **Attention Span Tracking**
This project calculates the attention span of the students using various parameters link Blink Rate, Eye Gaze tracking, Body posture, Background noise and Facial expression.
- **Flight Delay Prediction**
This project makes use of various machine learning models which in turn makes use of the Flight and Weather Data to predict the Flight Delay in minutes.

Skills and Coursework

- Programming Languages: Python, C, C++, SQL
- Frameworks and Libraries: Tensorflow, Scikit-learn, Pandas, Numpy, Keras.
- Courses: Probability, Statistics, Data Structures and Algorithms.

Achievements

- Smart India Hackathon Finalist
- 2nd place in Make-a-thon(Intra college)
- 2nd place in Hack and Tackles 2.0(Inter college conducted by SSN college of Engineering)
- Part of the team responsible for Signing MOU between my college and the police department of Madhya Pradesh.