Rajiv Ranjan

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EDUCATION

FIITJEE World School Hyderabad, India
Degree in Matriculation March 2017 - March 2018
CGPA: 9.46

M.D.J. Public School Ara, India
Degree in Intermediate March 2018 - March 2020
Percentage: 76.4%

Galgotias University Greater Noida, India
CSE B.Tech July 2021 - July 2025
CGPA: 8.53

SKILLS

Programming Languages:	Python, C, C++, HTML, CSS, JQuery, JavaScript
Libraries/Frameworks:	BootStrap, React, TensorFlow, Pandas, Numpy, NLTK
Databases:	MongoDB

PROJECTS / OPEN-SOURCE

Twitter Sentiment Analysis *Python*
- The Project aims to perform sentiment analysis on Twitter data using Long Short-Term Memory (LSTM) neural networks.
- It preprocesses text data by tokenizing tweets, converting words to word vectors, and padding sequences for uniformity.
- The LSTM model is designed to learn from word embeddings to predict sentiment labels (positive or negative) for tweets.
- The model is trained on a portion of the dataset, validated on another portion, and evaluated on a test set to assess its performance.

Driver's Drowsiness Sensor *C, Embedded Technology*
- The Project is designed to detect driver drowsiness using an infrared (IR) sensor and alert the driver using a buzzer.
- The IR sensor monitors the driver's eye movements or facial expressions to determine drowsiness levels.
- When signs of drowsiness are detected, such as prolonged eye closure or head nodding, the buzzer is activated to alert the driver and prevent potential accidents.
- This system aims to enhance road safety by providing real-time monitoring of driver fatigue during long journeys or late-night driving.

CERTIFICATIONS

- Cyber Security Virtual Internship - **AICTE**