

HARISH B

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EDUCATIONAL BACKGROUND

Bachelor of Technology - CSE (AI)

Aug 2020 - Present
Amrita Vishwa Vidyapeetham
Chennai Campus
CGPA - 8.99 / 10

Senior Secondary School Education

2018 - 2020
Srri SPK Public Senior Secondary
School, Namakkal
Percentage - 85.4

RESEARCH EXPERIENCE

SLEEP APNEA DETECTION

Mar 2021 | [Github](#) |

- This project proposes a robust method for detecting sleep apnea and keeping track of the region of interest by using OpenCV's object tracking algorithm.

METABOLIC PATHWAY CLASS PREDICTION

Dec 2021 | [Github](#) | [Webapp](#) |

- Designing reaction predictors for synthesizing novel molecules.
- A Deep Learning Architecture using Graph convolutional neural Network.

MBTI - INDICATOR BASED PERSONALITY TYPE PREDICTION

Jan 2022 | [Github](#) | [Webapp](#) |

- Predicting people's personality traits based on their social media post using machine learning models with Myers-Briggs personality types.
- Logistic Regression, SVC, Naive Bayes and Random forest classifier models are used.

MUTATION RATE CALCULATION WITH LSTM

Aug 2021 | [Github](#) |

- The future mutation rate of the virus is been predicted using recurrent neural network based Long Short Term Memory (LSTM) model.

PROJECTS

ANTHROPOMORPHIC ARM WITH SPHERICAL WRIST

Mar 2021 | [Github](#) |

- This project presents an efficient analytical computation procedure of both forward and inverse kinematics of an robotic arm with spherical wrist.
- And moreover we have done the simulation of the robot with MATLAB and robotics toolbox..

EXPERTISE SKILLS

- Machine Learning, Deep Learning
- Data Science
- Flutter
- Web development
- Python, C++, Java, R, MATLAB

CERTIFICATIONS

Coursera

- Machine Learning by Stanford University
- Python by University of Michigan
- Web development
- UI/UX Design by Google

OTHER EXPERIENCE

- Assistant Sports Secretary
- Rajya Puraskar Awardee (Scout)