Aryan Felix

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EDUCATION

SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY
Bachelor of Technology - Computer Science and Engineering
July 2018 - Present | Sikkim, IN
CGPA - 9.3

ST. ANDREWS HIGH SCHOOL
CBSE Class 12
March 2017 - March 2018 | Hyderabad, IN
Percentage - 87

EXPERIENCE

CENTER FOR ARTIFICIAL INTELLIGENCE AND ROBOTICS, DRDO | Artificial Intelligence Research Intern
June 2020 – Present | Bangalore, IN
- Research based work in the field of **Natural Language Processing**.
- Collaborate and study algorithms to implement strategies and research findings of big names in the field of NLP.
- Working with **SVM**s to predict relations in sentences using custom **Tree Kernels** with the help **Python** and external libraries like **Sci-Kit Learn, NetworkX and Pandas**.
- Working with **RNN/LSTM**s to create an attention mechanism model for relation extraction combined with shortest path kernels.

PROJECTS

FACE MASK DETECTION USING CNN | Keras, OpenCV, PIL
July 2021 | Github
- A Face Mask Detection tool that detects whether the user is wearing a Mask, not wearing a Mask or if the user is wearing the mask incorrectly.

BRAIN TUMOR SEGMENTATION | Keras, TensorFlow
April 2021 | Github
- A Deep Learning model to detect and segment brain tumors from MRIs using Convolution Neural Networks.

FULL STACK ONLINE ELECTION PORTAL | EJS, NodeJS, ExpressJS, MongoDB
December 2020 | Github
- An online election portal for conducting student body elections for the students of Sikkim Manipal Institute of Technology.

COVID-19 INDIA PREDICTION MODEL | Python, NumPy, SciKit Learn
May 2020 | Github
- A polynomial regression model to predict the number of infections, recoveries and deaths on a particular day in the future with a certain accuracy.

AIR PEN | Python, OpenCV, NumPy
September 2020 | Github
- A virtual drawing app that lets you use your household object as a stylus.
- Fully functional executable app for Windows.

SKILLS

Languages
Python • C/C++
Libraries
Keras • SciKit Learn • OpenCV
TensorFlow • NumPy • Pandas
Frontend
HTML • CSS • Bootstrap
Backend
Node.JS • Express.JS
Frameworks
React.JS
Database
MongoDB • MySQL
Tools
Git • GitHub • Heroku
VS Code • Sublime
Jupyter • Google Colab

AWARDS

2020 | SmartHacks
- 1st Position
- IIT Kanpur
2020 | Kalam Dhrishti 2.0
- 1st Position
- SMIT
2020 | Tech Adristha Hackathon
- 1st Position
- SMIT

COURSEWORK

Data Science
Machine Learning
Deep Learning
Full Stack Web Development
Python 3
Data Structures and Algorithms
Object Oriented Programming

POSITIONS OF RESPONSIBILITIES

General Secretary
- Student Council
President
- Inquizitive!
- Quizzing Club
Senior Member
- Open Source Club
- Technical Club
Senior Member
- Innovision
- Technical Club