**Srinath Murali**

**PROFILE**

Analytical and process-oriented individual with a variety of skillsets ranging from python, matlab and MS Excel, passionate about using analytics to drive strategic business decisions. Excellent interpersonal skills, able to collaborate effectively with technical and non-technical resources.

**EDUCATION**

* **B.Tech Computer Science and Engineering - AI**

**CGPA – 8.61 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 89% **2019**

Institution:

* **Class 10** – 96.6% **2017**

Institution:

**TECHNICAL INTERESTS**

Business intelligence, Machine Learning, Deep Learning, Game Development,

**PROJECTS**

**Image Processing using Convolutional Networks:** A project designed entirely in python to train a complex CNN for breast cancer image dataset to predict if a person has breast cancer or not.

**Aerial Image detection using ML Models(Accepted paper ):** The aim of this project is to detect aerial images of objects using Ml models specialized for object detection. The models in use are ALexNet and Mobilenetv3 which are complex CNN models specialized for object detection tasks.

**NLP Dependency parsing for Dravidian languages(Published paper in ACL 2022**): . Dependency parsing for Dravidian languages using a malt parser approach and improving parser performace with sequence labelling algorithm.

**Particle Swarm Optimization For Inverse Kinematics Of PUMA Robots(Attempted paper):** A research analysis of the forward kinematics of PUMA 260 Robot and PUMA 560 and proposing a preliminary solution for the robots Inverse Kinematics utilizing Swarm Intelligence, optimizing Forward Kinematics problem. The proposed method was experimented using Python Library pyswarms and their performance in terms of accuracy, reproducibility and time consumption are discussed.

**TECHNICAL SKILLS**

Python, Microsoft ofﬁce, MATLAB, Scala, C#, Pandas, Data Analysis, Keras, Spark, Communication skills, Microsoft excel

**INTERNSHIP**

**Junior linguist: Pan Lingua Technologies:June 2022 to August 2022**

**LANGUAGES**

English