**SIVA PRAKASH RAMESH**

**PROFILE**

A budding engineer looking for a challenging opportunity to work with an organisation which will help me to explore my interests and realize my technical, analytical and computer skills along with team work and creative thinking. I would like to synchronize with the latest technology while being resourceful, innovative and flexible thereby enabling me to grow as a fresh graduate while fulfilling the organizational goals.

**EDUCATION**

* **B.Tech Computer Science and Engineering (AI)**

**CGPA – 9.11 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 92.8% **2019**

Institution: Sri Chaitanya junior kalashala, Hyderabad

* **Class 10** – 93% **2017**

Institution: Johnson Grammar School, Hyderabad.

**TECHNICAL INTERESTS**

Machine Learning

**PROJECTS**

**PCG signal classification using CNN and spectrogram.**

Duration/Period: 2 months   
Objective: To develop a model to detect heart diseases from the recorded PCG signals.

Outcome: Understood a way to solve machine learning problems by changing the method of representing data. Understood how to build a CNN architecture for classification and hyper-parameter tuning.

**Using Multilayer Perceptron Networks for Sequence Classification and Alignment**   
Duration/Period: 1 months   
Objective: To design a multilayer perceptron network to classify biological sequences and to try to perform local alignment of Biological Sequences using the same model.

Outcome: Understood the method of designing a MLP model for sequence classification. Understood the downsides of using MLP for alignment.

**TECHNICAL SKILLS**

Python, Java, Scala, MySQL, sqlite3, Scikit-learn, Tensorflow, gensim.

**INTERNSHIP**

**Gyan Data Private Limited, IIT Madras Research Park.**

Duration/Period: 3 months.

Objective: To understand the use of machine learning techniques in the industry.

Tools or techniques used: Python, Panel, sqlite3, Scikit-learn, Oauth.

Outcome: Created a Dashboard for condition monitoring and fault classification of ball bearings with real- time charts updated with streaming data. Created a Prototype for structural inspection & analytics with OAuth2.0 implementation.

**Productize Technologies**

 Duration/Period : 2 months

 Objective : Practical application of computer vision techniques.

 Tools or techniques used: python, git, open-cv, MATLAB.

 Outcome: Extracted key information from licence images with OCR. Built an image processing pipeline by merging open-source codes in different languages. Built an application which converts text into video with speech.

**ACHIEVEMENTS & HONOURS**

Participated and qualified for the finals of National Cyber Olympiad in 2013 and secured a state rank of 10 and international rank 172.

-Participated and qualified for the second round of the International Informatics Olympiad in 2 consecutive years in 2013 and 2014 and secured a state rank of 9 and 12 respectively.

-Completed all 8 levels and 3 grand modules of SIP Abacus and Brain Gym Programme from 2013-2014. -Received Amrita Vidyanidhi scholarship of 90% fee waiver from Amrita University for securing a rank of 690 in the Amrita Entrance Examination.

**LANGUAGES**

English, Hindi, Telugu, Tamil