# Phani Siginamsetty

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## Career Objective

To associate myself with a professionally driven esteemed organization and constantly develop and utilize my skills to add value to the organization, being ahead of curve.

## Education

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|---|---|---|
| 2021 - present | PhD (Computer Science & Engineering) at **SRM-AP University** | (SGPA: 9.25/10.0) |
| 2018 - 2020 | M.Tech (Computer Science & Engineering) at **KL University** | (CGPA: 8.5/10.0) |
| 2014 - 2018 | B.Tech (Computer Science & Engineering) at **JNTUK** | (81.0%) |
| 2012 - 2014 | INTERMEDIATE (MPC) | (91.7%) |
| 2011 - 2012 | SSC | (GPA: 9.3/10.0) |

## Work Experience

**Assistant Professor (Dhanekula engineering college)** Oct 2020 - Aug 2021

- Handled course works.
- Worked in training & placemnts cell.
- Conducted coding sessions.

**Trainee Engineer- (ML) Research Team (Tychee Innovations)** Aug 2020 - Jul 2021

- Created data visualization graphics, translating complex datasets into comprehensive visual representations.
- Employed a variety of machine learning approaches to predict patient outcomes using diverse healthcare datasets.
- Hand Shredder Machine detection using Object Detection Framework.

## Projects

**Multimodal Summarization** Demo

- This project's major goal is to use Multimodal input data to generate multimodal output summary for better user experience. Daily, a large amount of data is produced, thus we automate the Multimodal summarization engine to save the end user's time. We use the transformer and the convolutional neural network for extracting features from the Multimodal input data.
- Technology stack : NLP, Deep Leaning, Transformers.
- Web-scraped custom data from the IndiaToday website.

**Computer Vision based attendance System** Code

- The automation of the attendance system is the aim of this project. We take a webcam to extracts the faces of the students from it. Each student's face embeddings are stored in MongoDB.
- Technology stack : Deep Leaning, MTCNN, ArcFace, OpenCV.
- Implements it by using Python and build a GUI.

**Covid chatbot** Demo
- The objective of this chatbot is to server the covid related news to the users. It will provide a detailed analysis of cases in the world. It is integrated with telegram.
- Technology stack : Deep Leaning, NLP.
- Implements it by using Python.

**Hand shredder machine detection** Code
- The major goal of the initiative is to save the lives of people who work in the machine sector. We incorporate security cameras all around the machine, and if a person's hand passes the threshold, the machine will stop.
- Technology stack : Deep Leaning, OpenCV
- Implements it by using Python.

**Web scraping using python** Code
- The task of automation is very essential to save time. So, in our projects for data collection we scrape the text from the web.
- By using scraping mechanism, automated the price drop alerts of e-commerce sites.
- Scraping the images from the web to solve some deep learning challenges.
- Scraping the news articles from the websites in order to solve NLP related tasks.
- Organization files in a system.
- Technology stack : BeautifulSoup and Selenium.
- Implements it by using Python.

## Publications

Siginamsetty, Phani and V. Krishna Reddy (2020). "Machine Learning Classifiers and Along with TPOT Classifier (Automl) to Predict the Readmission Patterns of Diabetic Patients". In: *International Journal of Recent Technology and Engineering*.

Siginamsetty, Phani and Ashu Abdul (2021). "Abstractive Text Summarization with Fine-Tuned Transforme". In: *Conference on Machine Vision  Augmented Intelligence*.

## Skills

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|---|---|
| Some Skills | Machine Leaning, Deep Leaning, NLP, Python, Web Scraping, Data Science, OpenCV. |
| Some More Skills | Pandas, Data analysis & Visualization, Web-framework (Flask) |
| Technical Skills | Web scraping and Task automation's. |

## Interests

Exploring interesting information about space & reading blogs related to new technologies
Spending time with kids, playing cricket, & chess