# EDUCATION

Saivarun Tanjore Raghavendra

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## University of Southern California, Los Angeles, CA Jan 2021-Dec 2022

Master of Science, Computer Science GPA-3.8/4.0

***Courses:*** *Foundations of AI, Analysis of Algorithms, Machine Learning, NLP, Web Technology*

## Malla Reddy Institute of Engineering and Technology, Hyderabad, INDIA Aug 2019-Jul 2023

Bachelor of technology, Computer Science and Engineering GPA-7.60/10.0

***Courses:*** *Algorithms and Design, Object Oriented Programming, OS, Compiler Design, Data Structures, Artificial Intelligence*

# TECHNICAL SKILLS

* **Interests and Domain:** Full stack development, Knowledge Graph, Data Analysis, Machine Learning, NLP, Time Series
* **Languages and Frameworks:** Python, C++, HTML, SQL, CSS, JSON, Git
* **Databases and QL:** SQL (oracle)
* **Libraries:**
* **Tools and Infrastructure:** Jira, Azure, Agile, Canva

# WORK EXPERIENCE

## Software Engineer Intern | Galanmela India Private Limited Oct 2022–Feb 2023

* + Worked in the **Research and Development team focusing on Digital Technologies.**
  + **Automation:** Single handedly developed **JSON Test cases** for **Cypress** which **reduced human effort per project by 80%**.

o **Full Stack:** Collaborated in a team of five to build **GraphQL** reject API to implement **Material UI** table and written **Typescript** logic for package rejection and approval in vendor app.

* + **Data Analysis:** To avoid anomalies in test cases, **Excel** pricing scenario discrepancies were fixed.
  + **Achievements:** Won recognition for being an ‘Outstanding performer and Contributor’ to organize and manage **Jira** tickets.

# ACADEMIC PROJECTS

* **Book Reader**| ***Python, Flask, JSON, Tomorrow.io API, Geocoding, Google Cloud Platform***

A webpage that allows user to search for weather information anywhere in world or current location and for any past date.

## PyForecast | Python, Flask, Time Series, Plotly, Dash

Python library that helps in benchmarking time series algorithms and provide one line code for visualizations and metrics calculation.

* **Rich text Segmentation *| Python, Supervised ML, Pandas, TF-IDF, Scikit Learn, Numpy, Few Shot Learning, Flask***

Document segmenter using Multinomial Naïve Bayes algorithm and few shot learning with accuracy score of 95% .txt documents.

* **Sonnet Generator** *|* ***Python, LSTM, Keras, Tensorflow, Gensim, Natural Language Processing***

Webpage to generate a Shakespeare style sonnet based on a single input title given by user through NLP and recurrent neural networks.

## Footfall for Growth | Data Analytics, R, Shiny

Analytics dashboard of interactive charts (line, pie, bar) for customer footfall in a retail store to grow markets through sales.

## Inter-Stellar | Time Series Forecasting, Python, LSTM, Flask, Dash

Lead team of four to develop an application to forecast price of Lumen with 94.3% accuracy with LSTM model.

# EXTRA CURRICULAR (include college level)

* **Research Assistant Intern | Information Sciences Institute, Los Angeles, CA** (Jun 2021-Aug 2021): Assisted Professor Pedro Szekely in creating knowledge graph to link authors, co-authors, research topics, and grants from academia research data linking 40k different nodes through 100k relations using Python and KGTK.
* **Teaching Assistant at University of Southern California** (Jan 2021 – Present): Produced course materials, Graded assignments, quizzes, and held office hours to assist graduate students with code debugging and homework for DSCI 510 - Programming with Data Science, ITP 249 - Introduction to Data Analytics, BUAD 312 - Data Science and Statistics for Business and DSCI 558 - Knowledge Graphs.
* **OpenSource contributor for Pycaret:** Developing the one-line code recommendation system library using Python.

# LEADERSHIPS AND ACTIVITIES

* **Mini** and **Major project** **Team leader** at college, led our team members by conducting short sprints in **Jira,** which boosted productivity by 75%.
* Secured **A** grade in our projects. Performed under professor’s supervision in preparing required **documentation**.
* Participated in **Ai-For-India-By GUVI** to build face recognition app.
* **Assisted in Google Developer student club-JNTUHCEH team** with technical issues.
* **Vice President** for Music Society in Undergraduate.
* Completed **Microsoft certified Azure fundamental (az-900)** by Microsoft, got **SQL** certification from Hacker Rank (skill badge certificate) , and completed **JavaScript** from **Solo Learn.**
* **Newly created YouTube** channel videos to help students prepare well for exams on concepts of **AI**.