

GAYATHRI SHRIKANTH

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EDUCATION

University of Southern California, Los Angeles

Aug 2021-May 2023

Masters in Computer Science (Artificial Intelligence)

NMIMS University, MPSTME, Mumbai, India

Jun 2017-May 2021

Bachelor of Technology, Data Science

GPA: 3.74/4.0 (Ranked 2nd)

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, Java, C++
- **Tools and Software's:** Tableau, Power BI, SQL, MongoDB, SPSS, Android Studio, Basics- Hadoop TensorFlow, Keras, Flask
- **Relevant Courses:** Computer Programming, Data Structures, Machine Learning, Artificial Intelligence, Deep Learning, Computer Vision, Natural Language Processing, Database Management, App Development, Web Technologies.

EXPERIENCE

Salesforce, Tableau, Seattle, United States of America – Software Engineering Intern (CRM)

May 2022-Aug 2022

- Worked with the Visualization Pipeline team on projects, to make viz pipeline integration in customer features easier.
- Designed a proof of concept to migrate from the C++ legacy test framework to the Java test Framework.
- Implementation to make the Viz API Dashboard Extension a standalone service (REST API) with integration of user telemetry.

MedPrime Technologies, Mumbai, India - Data Science Intern (Healthcare)

May 2020-Jun 2021

- Developed a microscope integrated system from ideation to implementation to enhance sample detection, identify viable and tumour cells, automate microscope autofocus (custom maximum focus finding algorithm) and perform image stitching of magnified slide images. The application has now been deployed and is being used by hospitals and pathologists.

LivNSense, Bengaluru, India - Data Science Intern (IoT, Industry 4.0)

May 2020-Oct 2020

- Developed a deep learning model for smart-surveillance (Human Activity Recognition) on factory floor, to ensure worker safety by detecting falls and measure labour productivity.
- Analysed, built and presented supervised-learning (regression models) on sensor data from weld and furnace equipment.
- Was part of platform development team responsible for integration and deployment of 3 projects.
- Awarded Best Intern 2020 for ability to learn and explore uncharted areas.

Doctors For You (DFY)- Data Science Intern (Healthcare NPO)

Oct 2018-Feb 2019

- Collaborated with DFY, performed analysis and predictive modelling using R on data of over 5000 patients from health camps.
- Identified the top 5 affected localities and statistically significant socio-economic factors leading to eye conditions among children which helped streamline future camps.

PROJECTS

Toxic to Civil Phrase Generator:

Sept 2022- Dec 2022

- Comparative study and implementation to identify toxic spans in a given sentence using Bi-LSTM, transformer based models followed by generating a civil rephrases using the Retrieve Generate and Select technique.

Stock Trading App :

Mar 2022- Apr 2022

- Created an android app and website which allows the user to get latest information and news about stock prices, trends, public sentiment, has insightful plots and enables them to watch, and trade stocks by maintaining an online wallet.

Visual Question Answering using Reinforcement Learning:

Mar 2022-May 2022

- Designed and trained a state of the art, novel Reinforcement Learning based Actor-Critic Architecture with Attention for Full Sentence (Multiword) Visual Question Answering. Achieved a BLEU score of 0.89.

Automatic Speech Therapy Assessment for Cleft Palate Patients

Dec 2020-Apr 2021

- Built a Deep-learning (ANN for classification) based web application for home-based speech therapy that classifies audio samples according to their hypernasality grade with an accuracy of 84 % and monitors patient's progress overtime.

Call Intent Classification:

Aug 2019-Sep 2019

- Compared different supervised learning algorithms, NLP techniques and speech to text API's to classify call-centre support calls from the automobile vertical into their respective departments.

LEADERSHIP AND INVOLVEMENT

Member, Enactus- MPSTME **R&D Executive** (2017-2018) || **Data Team Leader**, Volunteer- 'Hospitals For You App' (2020) || || Model United Nations 2018 (Delegate of Brazil) || **Paper Publication:** Role of Stakeholders in Application of AI to Forensic Odontology, Annals of Dental Specialty, 2021, Vol 9 Issue 1 || Head of Industry Integrations Dept, Art of Data Analytics ||