


SHIVANI GOWDA

☎ 213-442-5656 | ✉ sks@lion.lmu.edu | 🌐 [/sgowdaks](https://sgowdaks.com) |  [/sgowdaks](https://www.linkedin.com/in/sgowdaks)

EDUCATION

Loyola Marymount University

Master of Science in Computer and Information Technology, GPA: 3.85/4.0

Los Angeles, CA

08/2021-04/2023

Amrita School of Engineering

Bachelor of Technology in Electrical and Electronics Engineering, GPA: 3.43/4.0

Bengaluru, KA, India

06/2015-05/2019

SKILLS

Languages: Python, Java, C, JavaScript, SQL

Web technologies: HTML, CSS, Bootstrap, RDBMS

Tools, frameworks and technologies: React.js, Oracle Database, Jira, Jenkins, Git, Scikit-learn, NumPy, Linux, Microsoft Excel, LaTeX, Postman, RedHat OpenShift, Visual Studio code, PyCharm.

EXPERIENCE

Loyola Marymount University

Graduate Research Assistant

Los Angeles, CA

06/2022-present

- Worked on multimodal (Text + Image) model with multi-label classification.
- Improved the accuracy of a classification problem from 86% to 88%, by using transformer-based model.
- Annotated dataset to make it compatible for multi-label classification.
- Gained insight about model performance with a variety of evaluation methodologies.

Loyola Marymount University

Graduate Assistance

Los Angeles, CA

01/2022-05/2022

- Assisting in the creation of the schedule of classes and university catalog.
- Managing Student record by identifying, isolating, preparing, and gathering data.

IBM

Application Developer

Bengaluru, KA, India

12/2019-04/2021

- Raised efficiency above 23% by identifying bottlenecks and removing redundancies in project requirements with suitable rules and fragments in CPQ tool with efficient algorithms
- Implement several policies to set promotions/offers that are applied for products based.
- Assisted the team in migrating to RedHat OpenShift platform; provided a secure and easy to use cloud platform.
- Led 5 minor releases, which improved quality of the product by avoiding long time wait for the changes and this strengthened our client's trust on our team.

PROJECTS

- **Transfer Learning Approach for Sentiment Classification** github.com/sgowdaks/sentiment-analysis-using-BERT
Finetuned BERT language model on twitter dataset which proved 10% better accuracy than the Support Vector Machine (SVM) model when trained on same datasets.
- **Online Catering Service** github.com/sgowdaks/online-catering-service
This web application provides features like seamless navigation, easy and secure sign up which makes it user friendly and reliable, with Apache MySQL PHP (WAMP) server.
- **Amaze pay** github.com/sgowdaks/secure-software-development/tree/main/flask_web_security
This web application allows the user to carry out all the transactions securely defending CSRF, SQL injection attack in flask.
- **Named entity recognition using transfer learning** github.com/sgowdaks/NER_BERT
Finetuned BERT language model on 3 different datasets from biomedical, lunar and planetary science. Converted data from IOB annotation format by writing scripts. Compared the model with 2 different baseline models and noted down the behavior of BERT on above datasets.

Last updated: August 30, 2022