

Anurag Shenoy

☎ +1 (352) 888-9648

🌐 [linkedin.com/in/anurag-shenoy/](https://www.linkedin.com/in/anurag-shenoy/)

✉ anuragshenoy21@gmail.com

🌐 shenoy-anurag.github.io/

🔗 github.com/shenoy-anurag

📍 Gainesville, Florida, USA

Education

University of Florida, M.S. in Computer Science, Specialization: Machine Learning.

Aug 2021 – Aug 2023

Courses: Analysis of Algorithms, Machine Learning, Human Computer Interaction, Software Engineering.

GPA: 3.66/4.0

SIES Graduate School of Technology (affiliated to University of Mumbai), Mumbai

Aug 2014 – Aug 2018

B.E. in Electronics and Telecommunications Engineering. Minors in Computer Science.

Skills

Python, Tensorflow, Scikit-learn, Spacy, Numpy, Pandas, Natural Language Processing, SQL, Go, Java, C, C++, Flask, Gin, Docker, Elastic Search, Seaborn, MongoDB, Agile, REST, AWS EC2, gRPC, Communication, Technical Writing.

Work Experience

CodeArray Technologies Pvt. Ltd., Software Engineer

3 years, July 2018 – July 2021

- Designed and Trained an **Intent classification** model and achieved a classification accuracy of **98%** using a custom RNN neural network.
- Devised a robust **NER** (Named Entity Recognition) model for **extraction** of information from user messages and achieved an F1 score of **91%**.
- Built more than 10 personalized **chatbots** for prospective clients.
- Developed secure **REST APIs** for the no-code Chatbot Building Product using Flask web framework and MongoDB database.
- Productionized deployment of **NLP** (Natural Language Processing) models using Tensorflow Serving and gRPC to improve performance more than **2x**.
- Utilized Celery to perform async tasks such as sending Emails, SMS and Alerts using **AWS SNS**, performing regular training of models etc.
- Automated the integration of **Shopify** store data for NER model training using python scripts and celery for quicker on-boarding of clients within minutes and saving around 4 hours of work.
- Integrated **Elastic Search** to optimize chat search functionality by around 5x.
- Acted as a **mentor** for junior software developers and improved their efficiency by 20% by refactoring the code and splitting them into several docker containers to reduce build time.

Projects

Simple Reddit | [Github Repository](#)

Spring 2022

- Spearheading the development of a Reddit inspired social media website using **Go** and **Angular** technologies for creating communities, posting content and comments.
- Incorporated standardized testing using testing package of Go.
- Automated build and checks prior to merging using **Github Actions**.

Hand Gesture Recognition Research | [Github Repository](#) | [Demo](#)

- Crafted a React app to allow users to manipulate objects using gestures in an **AR** environment using MediaPipe hand detection model.

Probes/Baits extraction from DNA Sequences

Fall 2021

- Implemented a dynamic programming algorithm designed by our professor, Dr. Tamer Kahveci, in python to extract the smallest number of baits which “cover” a given DNA sequence. Coverage of DNA by new algorithm was 100% in comparison to **CATCH** algorithm’s 71%.
- Performed coverage testing and time complexity evaluations to compare the new algorithm with existing **CATCH** solution.

Gyan: Chatbot for Machine Learning FAQs | [Github Repository](#)

Dec 2021

- Created a chatbot using the open-source **Rasa** framework to answer 22 different questions about various concepts within the fields of machine learning and deep learning.

- Developed an “action” server which performs actions such as responding with answers or directing users to my website.

Hindi Digit Classifier | [Jupyter Notebook](#) | [Blog Post](#)

Feb 2022

- Implemented a **CNN** to classify Hindi/Devanagari digits and achieved an accuracy of **99.59%** on the test dataset.