

# Harshit Allumolu

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## EDUCATION

### Arizona State University

Master of Computer Science, **GPA: 4.00/4.0**

Tempe, Arizona

Jan 2023 – Dec 2024

### National Institute of Technology Warangal

Bachelor of Technology in Computer Science and Engineering, **GPA: 3.05/4.0**

Warangal, India

Jul 2017 – May 2021

**Leadership positions:** CSE Branch Representative, Students' Council; Additional Secretary at CSE Association.

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, Ruby, JavaScript, SQL, C, Java, Clingo, Bash

**Web Development:** Ruby on Rails, Flask, Django, React.js, HTML, CSS, Bootstrap, REST, AJAX, jQuery

**Tools and Technologies:** MySQL, PostgreSQL, MongoDB, Linux, TensorFlow, Git, GitHub, Jira, Agile, Selenium, Pandas

**Relevant Coursework:** Data Structures and Algorithms, DBMS, Computer Networks, Foundations of Algorithms, Applied Cryptography, Data Mining, Data Processing at Scale, Semantic Web Mining, Knowledge Representation and Reasoning

## WORK EXPERIENCE

### Chronus Software India Pvt. Ltd.

Hyderabad, India

#### Software Development Engineer

Aug 2021 – Dec 2022

(Ruby, Ruby on Rails, JavaScript, MySQL, React.js, Redis, Linux, GitHub, Jira, Agile, AWS, Docker)

- Devised and implemented a high-speed algorithm facilitating bulk mentor-mentee matching, efficiently pairing over 1000 mentees within a remarkable 60-second timeframe.
- Integrated Slack into the ChronusMentor app, leading to a 15% rise in user engagement via interactions and notifications.
- Spearheaded the launch of the widely embraced Out-Of-Office feature, enabling over 10 million users to communicate availability and temporarily suspend services.
- Improved user experience by incorporating local time zone exposure, resulting in a 10% increase in scheduled meetings.
- Excelled as a Rotational Customer Support Engineer, resolving 4+ daily customer issues associating with specialized teams.
- Fostered cross-functional collaboration to validate the customer-centricity of developed features, contributing to a notable 15% increase in overall customer satisfaction.

### Axis Bank Ltd.

Bengaluru, India

#### Data Science Intern

Apr 2020 – Jun 2020

(Python, TensorFlow, Machine Learning, NLP, BERT, Universal Sentence Encoder, Gensim)

- Created a Context-based QnA chatbot achieving a 90% accuracy rate in extracting crucial information from PDF documents and delivering accurate responses.
- Engineered an NLP-powered FAQ chatbot with an 83% accuracy rate, surpassing the previous version by 10% and significantly enhancing its ability to effectively address user queries.

## PROJECTS

### Stance Detection ([github.com/harshit-asu/Stance-Detection](https://github.com/harshit-asu/Stance-Detection))

Sep 2023 – Nov 2023

Curated a dataset of 14.3 million tweets for stance detection on the trending topic of US Race Relations on Social Media; Explored diverse methods, and created 40 classifiers for detecting users' stance on a tweet specific to a topic.

### Earthquake Detection Using Deep Neural Networks

Feb 2023 – Apr 2023

Led seismic data research on the STEAD dataset, experimented and modified the InceptionTime model, achieving superior performance with 9% greater accuracy and promising improvements in early and accurate seismic event identification.

### Family Expense Tracker ([Demo](#))

Jul 2021

Implemented a secure Python web app using Flask for efficient wallet and transaction monitoring, enhancing overall financial awareness within families with a user-friendly family account feature, and a dashboard with monthly financial reports.