

Bapiraju "Vamsi" Tadikonda

vamsitadikonda99@gmail.com | +1(919)527 4570 | [linkedin/vamsitadikonda](https://www.linkedin.com/in/vamsitadikonda) | [github/vamsitadikonda](https://github.com/vamsitadikonda) | vamsitadikonda.com

EDUCATION

Master of Computer Science

NORTH CAROLINA STATE UNIVERSITY

B.E. Computer Science with Honors

BITS PILANI

Raleigh, NC | Aug 2021

Pilani, India | Aug 2013 - May 2017

CGPA: 8.42/10.0

WORK EXPERIENCE

JP MORGAN CHASE & CO | SOFTWARE ENGINEER

Bangalore, India | July 2017 - Aug 2021

- Promoted to Senior Software Engineer in January 2021.
- Handled Data ingestion of 16 billion records of trade data every day using **Python** and stored them into **KDB** along with 2 other teammates. The Data consists of critical financial and reference data from various internal and external sources.
- Optimized data pipelines to KDB using **Apache Kafka** to real time forex and rates dashboards.
- Designed a comprehensive framework for building financial chat-bots and real time trade Notifiers. The chatbot is currently used by around 60 chatrooms used by various sales and trading global teams across forex, rates and commodities.
- Conceptualized and implemented a new report system with **REST APIs** for Transaction Cost Analysis (TCA) using **Tableau**, **Flask** and **NGINX**.

WEB INTELLIGENCE & SOCIAL COMPUTING LAB | RESEARCH ASSISTANT Pilani, India | Aug 2016 - May 2017

- Enhanced the existing language Identification Systems for multi-lingual sentences thereby identifying places for code-switches.
- Improved Sentiment Analysis for multi-lingual code-mixed sentences using SentiWordNets.
- Implemented NLP Tools like Parts Of Speech (POS) Tagger and Named Entity Recognizer (NER) for code-mixed Indian languages.

IBM | SOFTWARE ENGINEER INTERN

Bangalore, India | May 2015 - Jul 2015

- Desktop Management Automation - Designed a payload attribute validator using Java.
- Automation Scripts for iOS Devices - Wrote Test process (both client and server) end to end in Java and Eggplant.

SKILLS

Languages: Python, C, SQL, Java, C++

Frameworks/Libraries: Flask, Kafka, Scikit-learn, Pandas, NLTK, OpenCV

Technology: AWS, Docker, \LaTeX , KDB, MongoDB, PostgreSQL, Apache, NGINX, JIRA, Git, Jenkins

PROJECTS

COMPILER

C

Designed a Basic Compiler with the following components: a lexer, LL(1) parser, AST tree generator, semantic analyzer, type checker and an intermediate code generator.

AUTOMATED QUESTION ANSWERING SYSTEM

PYTHON, NLTK, FUZZY WUZZY LIBRARY

Developed a mini-system that can answer "W" questions. Potential answers from top HTML web documents were scored based on similarity matching (using Levenshtein distance).

PUBLICATIONS

- Sharma, Yashvardhan, Rupal Bhargava, and Bapiraju Vamsi Tadikonda. "Named Entity Recognition for Code Mixed Social Media Sentences." International Journal of Software Science and Computational Intelligence (IJSSCI) 13.2 (2021): 23-36.
- Bhargava, Rupal, Bapiraju Vamsi, and Yashvardhan Sharma. "Named entity recognition for code mixing in indian languages using hybrid approach." Facilities 23.10 (2016).