

# Sai Anirud Varma Uppalapati

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## EDUCATION

**Lindsey Wilson College:** MS in Science and Technology Management March 2023 - Current  
*Relevant Coursework:* Data mining, Machine Learning, Deep Learning, Big Data.

**K L University:** Bachelor of Technology in Computer Science (Honors) June 2015 - Mar 2019  
*Relevant Coursework:* Database Management System, Statistics, Natural Language Processing, Artificial Intelligence.

## SKILLS

**Programming Languages:** Python, Java, .NET, SQL, JavaScript, C, HTML/CSS  
**Framework:** Angular  
**Databases:** SQL Developer, MySQL, T-SQL, ETL.  
**Libraries:** Pandas, NumPy, Matplotlib, Pyspark, Tweepy, Ntlk, Tweet\_miner, Flask, Csv  
**Other Skills:** Hadoop, Microsoft Office, Agile Methodologies, Git, Documentation.

## WORK EXPERIENCE

**Software Engineer: Cento Tech Pvt LTD, Hyderabad, India** Aug 2021 – Mar 2022

- Executed responsive web design techniques for Indian Entrepreneurs Network, ensuring seamless User Experience across various devices, leading to a 30% increase in website traffic & User Engagement.
- Utilized JS libraries and frameworks such as React and jQuery to enhance interactivity and improve user interactions, resulting in 25% decrease in Bounce Rate and increased time spent on the website.
- Conducted regular testing and debugging activities to identify and fix issues, resulting in a 20% improvement in website performance and stability.

**Software Engineer: Amnet Digital, Hyderabad, India.** Sept 2020 – July 2021

- Designed and implemented a full-stack solution using Angular, Node.js and Integrating a SQL database, resulting in a 20% improvement in system performance & 15% reduction in response time.
- Experience in designing, implementing, and maintaining automated test suites for APIs, ensuring thorough test coverage, early bug detection and documentation.
- Implemented comprehensive API automation testing strategy, resulting in a significant reduction in software defects and a 30% improvement in overall testing efficiency & ensuring seamless Integration.

**Teaching Assistant – Object Oriented Programming: K L university, India** Jan 2017 – Nov 2017

- Led interactive coding workshops, enhancing student's ability to apply JAVA programming principles to real-world scenarios, resulting in a 25% increase in student confidence.
- Collaborated with the course instructor to update course materials and assignments, incorporating industry best practices, and emerging trends, ensuring the curriculum remained relevant.

## PROJECTS

### Detecting Bad Customer Reviews with NLP:

- Used NLP tools and Libraries, including NLTK, Gensium, and Scikit, to analyze customer reviews and social media posts, resulting in a significant boost in model average precision.
- With an average precision of approximately 0.35, this result exceeded other model's performance by 8 times, highlighting the effectiveness of the implemented approach.
- Engineered custom feature such as sentiment polarity to enhance the model's predictive capabilities.

### Twitter Data Processing with MongoDB:

- Conducted sentiment analysis on Twitter data by training a model set, resulting in a remarkable 98% accuracy rate for targeted Twitter data.
- Leveraged MongoDB as a NoSQL database and utilized Tweepy for efficient data extraction from social media platforms.
- Implemented text normalization techniques, improving text analysis accuracy by 15%.