

# Sai Theja Bajjuri

UB ID: 50595822

Address Hyderabad, India 500075

Phone 9515742423

E-mail sbajjuri@bufflo.edu

Knowledgeable about research areas and study procedures. Enthusiastic about setting up and carrying out wide array of studies. Diligent, industrious and efficient in handling minute details with methodical approaches to gain insights into **Data Science** field.

## Education

Expected in 2026-07	<b>Master of Science: Engineering Science (Data Science)</b> <i>University At Buffalo - Buffalo, NY</i> Admitted Graduate Student
Expected in 2024-07 2020-11 - 2024-07	<b>Bachelor of Technology: Computer Science And Engineering</b> <i>Mahatma Gandhi Institute of Technology - Hyderabad</i> <ul style="list-style-type: none"><li>• 8/10 CGPA</li><li>• Continuing education in Computer Science</li><li>• Cricket and Volleyball player</li></ul>
2020-03 2018-07 - 2020-03	<b>Intermediate Education: MPC</b> <i>Narayana Junior College - Hyderabad</i> <ul style="list-style-type: none"><li>• Final Grade: <b>98.4%</b></li></ul>

## Experience

2023-11 - 2024-01	<b>Beta Tester</b> <i>IPVerse, Hyderabad</i> <ul style="list-style-type: none"><li>• Contributed as a Beta Testing member in a collaborative group of 30 for IPvesre, a groundbreaking Metaverse project.</li><li>• Played a key role in identifying and reporting bugs, ensuring the project's overall quality and functionality.</li><li>• Collaborated effectively with team members to provide valuable feedback and enhance user experience in the evolving Metaverse environment.</li></ul>
2023-07 - 2023-09	<b>Testing Intern</b> <i>Cigniti, Hyderabad</i> <ul style="list-style-type: none"><li>• Completed 80-day internship at Cigniti, specializing in software testing methodologies.</li><li>• Acquired comprehensive training in Software Development methodologies, Scrum, and Selenium with Java during focused 15-day training program.</li><li>• Applied acquired skills in a team environment, collaborating with group of 3 on project.</li><li>• Gained hands-on experience in testing processes and methodologies, contributing to overall success of the project.</li></ul>

## Projects

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***Intelligent Video Surveillance System: (Computer Vision)***

- Built a surveillance system running on live video feed using YOLOv8 by Ultralytics.
- Implemented Fall detection, Crash detection and Fire Detection using this.
- And implemented an automatic alert system in-case of any anomaly.

***Live Stock Market prediction using RNN: (Deep Learning)***

- This project utilizes **LSTM neural networks** to predict stock prices. It collects data from **Alpha Vantage**, uses API and preprocesses it, and trains an LSTM model to forecast prices.
- The model's performance is evaluated using **mean squared error** and visualised using actual vs. predicted closing prices. While this code offers a foundational approach, optimising the **hyperparameters** and incorporating more features could enhance accuracy.

## Skills

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Agile Methodology  
Data Modeling  
Data Mining  
Data validation  
HTML and CSS proficiency  
API design knowledge

## Certifications

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2023-10	Oracle Database 11g: Program with PL/SQL
2023-05	Data Visualisation: Empowering Business with Effective Insights
2022-05	Basics of Python Programming