

# Tharun Sathu

San Marcos, Texas· slf167@txstate.edu· +1 7372132512·

<http://www.linkedin.com/in/tharun-sathu-2560a61a6/>

---

## OBJECTIVE

Dedicated and motivated Graduate student pursuing master of science in computer science at Texas State University with a GPA of 3.4. I am constantly adapting and refining my skills to have an exponentially increasing curve of learning new things. I enjoy meeting new people and hearing new perspectives, especially on software products and emerging tech.

---

## EDUCATION

### TEXAS STATE UNIVERSITY

Master of Science(MS) in Computer Science, **GPA: 3.4/4.**

**Coursework:** Algorithm Design & Analysis, Advanced Computer Security, Networks & Comm Systems, Scalable Systems, Survey of Software Engineering, Database Theory & Design.

*San Marcos, TX  
Jan 2024 - Dec 2025*

### CMR TECHNICAL CAMPUS

Bachelor of Technology, Computer Science and Engineering, **GPA: 7.00/10.**

*Hyderabad, India  
July 2018 - July2022*

---

## SKILLS AND INTERESTS

**Languages/Databases:** Python, Java, C, C++, Java, Go, SQL

**Web Technologies/Cloud:** JavaScript, HTML/CSS, JSON, React.js, Azure

**Tools:** MyWebmethods, ServiceNow, SoftwareAG, Mysql, Jira, gitHub, Splunk

**Soft Skills:** Work Ethic, Problem Solving, Time Management

---

## PROFESSIONAL EXPERIENCE

### ACCENTURE

#### ADVANCED APP ENGINEERING ASSOCIATE

*Hyderabad, India  
Dec 2022 - Jan 2024*

- Completed Stream Training in Java Full-Stack with the hands-on knowledge of Java, Spring Boot and MySQL databases.
- Platform monitoring 11 different server regions regularly before business hour starts and generating reports on the errors in the production servers to resubmit, enable/ disable or restarting of a server.
- Working with Java microservices in MyWebmethods tool and SoftwareAG designer to deliver production deployments on time and servicenow tool for communication.
- Utilized java 11, enhanced microservices based on the updations specified in business requirement document for improved efficiency and to maintain digital dashboards.

---

## COMPUTER SCIENCE PROJECTS

### Radiosonde Payload for Weather Monitoring Systems

*June 2022*

- Designed a reliable embedded system that helps in measuring various atmospheric parameters like temperature, air quality and pressure for up to date weather monitoring.
- Developed to achieve a working application that has the ability to read and monitor weather conditions more effectively.

### Facial Recognition with Voice Message Enhancement

*May 2022*

- Used pytsx library to convert text to speech for the camera surveillance to announce the names.
- Model built with the libraries like facial recognition and opencv for the purpose of face detection and manipulation of images.

### Predictive Analytics for Retail Banking

*Nov 2024*

- Conducted predictive analytics using CNN to develop an understanding of customer's usage history and response rate.
- Optimized the customer retention process by devising effective marketing strategies based on the results obtained through predictive analysis.

### Ethical Hacking Project

*May 2024*

- Tested various e-commerce websites for various bugs and vulnerabilities using Burp suite.
- Performed initial mapping and analyzed the application's attack surface using SQL injection to find and exploit vulnerabilities on the website.

---

## PUBLICATIONS

### International Journal of Innovative Science and Research Technology(IJISRT).

- Sathu Tharun, Radiosonde Payload for Weather Monitoring Systems. International Journal of Innovative Science and Research Technology, Volume 07, Issue 06, June 2022. <https://www.ijisrt.com/radiosonde-payload-for-weather-monitoring-systems>.

### International Journal of Scientific Research in Engineering and Management(IJSREM).

- Sathu Tharun, Facial recognition system with voice message enhancement. International Journal of Scientific Research in Engineering and Management, Volume 06, Issue 06, June 2022. <https://ijsrem.com/download/facial-recognition-system-with-voice-message-enhancement>.

---

## LEADERSHIP EXPERIENCE

### Sports Club Vice-President

*2021-2022*

- Organized various sports competitions among the departments on the occasion of the 10th anniversary of CMRTC.
- Introduced many players from the sports competitions and made college level teams for all types of sports.

### National Service Scheme Volunteer

*2018-2022*

- Actively participated in Volunteering to social activities like Blood donation, student tutoring mentoring, Adult educations and Cleaning camps.