

Sripad Sirikonda

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EDUCATION

University of Illinois Chicago (UIC)

Expected Graduation: December 2025

- Bachelor's of Science in **Computer Science** | College of Engineering
- **Honors:** Fall 2023 and Spring 2024 **Dean's List**; National Society of Leadership and Success Inducted Member

SKILLS

Programming: Python, Java, C/C++, React.js, SQL, JavaScript, REST APIs, Cloud Computing, R, SaaS, Powershell, GIT, API

AI/Machine Learning: TensorFlow, Scikit Learn, Keras, NumPy, Pandas, MATLAB

Technical Leadership: Agile, CI/CD, Software Testing, Team Management, AWS, Jupyter Notebooks

PROFESSIONAL EXPERIENCE

AI/ML Models for Water Infrastructure Optimization — Intern/Researcher

Chicago, IL

UIC College of Engineering

June 2024 - Present

- Boosted water infrastructure efficiency by **35%**, reducing resource wastage by **15%** using ML and Bayesian models
- Streamlined data processing by **30%** through advanced data collection and preprocessing techniques
- Enhanced contamination detection speed by **40%** and accuracy by **25%** utilizing WNTR and Bayesian optimization

Web Administrator

Chicago, IL

UIC Undergraduate Student Government

August 2024 - December 2024

- Managed and updated the website serving **20,000+ students**, ensuring access to key student resources and event information
- Led and attended **50+ executive meetings**, contributing to initiatives impacting the entire UIC undergraduate student body

Teaching Assistant for CS 211: Programming Practicum

Chicago, IL

University of Illinois Chicago

August 2024 - December 2024

- Guided **100+ students**, leading **10+ lab sessions and lectures** on C programming, debugging with **gdb** and **vim**

Mobile Application Developer

Aurora, IL

Chicago Saranam Yatra Organization - [Link to app on App Store](#)

December 2023 - September 2024

- Reached **1,000+ users** within 3 months, managing **600+ appointments** monthly with a React Native app
- Maintained **99.9% uptime**, ensuring seamless scheduling experience for users
- Built and optimized back-end using Node.js and Firebase, **improving data access speed by 50%**

PROJECTS

bouncE SparkHacks Project - React, Firebase, Scikit, RestAPIs (Deployment in Progress) - [GitHub](#) - [DevPost with Demo](#)

- Developed an interactive paper trading platform with AI-driven insights, real-time market data, and educational content, leading to a **2nd place win at SparkHacks 2025, trading simulations for 100+ users**

Pantry Tracker Web App - TensorFlow.js, React.js, Software Development - [Link to web app](#) - [Link to demo](#) - [Github](#)

- Built a full-stack app, improving inventory management efficiency by **50%** with **90% image classification accuracy**

Traffic Congestion Predictor - Flask, PostgreSQL (In Progress - Working on User Interface)

- Designed an ML model for real-time traffic optimization, enhancing route prediction accuracy - [GitHub](#)

NASA Planetary Seismic Event Detector - PostgreSQL, Redis, Reactjs, STA/LTA Algorithm, Python, Tensorflow

- Developed a project as part of **NASA Space Apps**; identified seismic events from **Apollo** and **Mars InSight data**, **improving detection accuracy by 30%** and reducing data transmission **volume by 70%**

ACTIVITIES

Google Developer Student Club (GDSC): Led projects using **Google technologies** like **AI** and **Cloud** to solve real-world problems

ACM - Sig AI: Contributed to **AI research and campus projects**, focusing on real-world applications of **machine learning**

Lunabotics: and **built robotic systems** for **NASA's lunar excavation** challenge, collaborating in multidisciplinary teams

Interests: Investing, robotics, sports (basketball, soccer), travel, photography, fitness, hiking, automotive engineering, reading Sci-Fi