

# Sai Krishna Samudrala

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## SUMMARY

Master's student in Information Technology at ASU with hands-on experience in Quality Assurance. Having experience with front-end and back-end technologies, including JavaScript, React.js, Node.js, Python, and databases like MongoDB. Passionate about developing scalable and high-performance applications.

## EDUCATION

### Master of Science in Information Technology

Arizona State University, Tempe, AZ

Ira A. Fulton Schools of Engineering

Relevant coursework: Computer Architecture, Big Data, Advanced Data Base Management, Data Visualization

Graduating Dec 2025

4/4 GPA

### Bachelor of Technology in Electronics and Communication Engineering

Indian Institute of Information Technology, Chennai, IND

IIITDM Kancheepuram

Relevant coursework: Data Structures, Digital IC Design, Analog IC Design, Solid State Devices

Graduated May 2023

8.3/10 GPA

## TECHNICAL SKILLS

**Programming:** Python(NumPy, Pandas, Matplotlib, TensorFlow, PyTorch), Java, C, Javascript

**Web Technologies:** React.js, Next.js, Node.js, Express.js, Django REST Framework, HTML, CSS, Tailwind CSS

**Databases:** MySQL, PostgreSQL, MongoDB

**Cloud and DevOps:** AWS, Azure, CI/CD Pipelines

## PROFESSIONAL EXPERIENCE

### ASU Enterprise and Brand, Tempe, USA: Quality Assurance Analyst

March 2025 - Current

- Conducted over 50+ website tests, ensuring functionality, and compliance with quality standards before release.
- Diagnosed and reported 200+ software defects, collaborating with developers to implement effective solutions.
- Executed 30+ regression tests, verifying fixes and reinforcing software stability.

### MaadIT, Chennai, IND: Software Developer Intern

Jan 2022 – May 2022

- Engineered enterprise-level backend services using Node.js, enhancing response times by 10%.
- Integrated 5+ RESTful APIs with front-end applications, streamlining the user experience.
- Automated deployment processes through CI/CD pipelines using Docker, cutting deployment time by 40%.

## ACADEMIC PROJECTS

### DevConnector

May 2024 - August 2024

SKILLS :React | Node | Express | MongoDB

- Developed a full-stack social media web app using the MERN stack, facilitating 500+ user interactions.
- Implemented user authentication, profile management, and interactive forums, improving engagement by 30%.
- Managed state using Redux and Redux Thunk for optimized API handling, reducing load times by 20%.

### StudyBud

January 2024 - April 2024

SKILLS : Django REST Framework | Django | Javascript

- Developed a backend web application that connects users with similar study interests, reaching 200+ active users.
- Designed authentication systems, profile editing features, and activity tracking, increasing retention by 25%.
- Used Django and PostgreSQL for an efficient back-end architecture, handling 100+ concurrent requests.

## CERTIFICATIONS

- Python for Data Structures and Algorithms (Udemy)
- The joy of computing using Python (NPTEL)

## EXTRACURRICULAR EXPERIENCE

### Software Developers Association, Tempe, AZ:

- Engaged in advanced computer science and analytics discussions through weekly sessions.