

Sai Krishna Samudrala

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SUMMARY

Full-stack engineer with hands-on experience building and deploying scalable web applications, combining strong front-end expertise in JavaScript, React, and TypeScript with solid back-end skills in Python and AI. Skilled at rapid prototyping, API integration, performance optimization, and collaboration in fast-paced, research-driven environments.

EDUCATION

Master of Science in Information Technology

Graduating December 2025

Arizona State University, Tempe, AZ

4 GPA

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

Bachelor of Technology in Electronics and Communication Engineering

Graduated May 2023

Indian Institute of Information Technology, Chennai, IND

3.32 GPA

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

PROFESSIONAL EXPERIENCE

Front-End Web Developer ASU Enterprise and Brand

March 2025 - Current

- Built and maintained 10+ responsive websites using React, improving client conversion rates by 25%.
- Implemented interactive features and animations using JavaScript, GSAP, enhancing user engagement by 30%.
- Optimized page performance, achieving less than 2s load times and 90+ Lighthouse scores for SEO.

Software Engineer Intern, IIITDM

August 2022 – November 2022

- Developed RESTful services in Python and integrated data validation scripts for provisioning tasks.
- Collaborated using Git/Jira in Agile sprints; reviewed PRs to improve code reliability and test coverage.
- Implemented authentication/authorization for internal tools, aligning with security and audit requirements.

ACADEMIC PROJECTS

Interactive Data Insights: IPL Dashboard

September 2024 - December 2024

SKILLS : Tableau | Data Preprocessing | Data-Driven Storytelling

- Engineered an interactive tableau dashboard by visualizing a large IPL dataset of about 700+ match summaries.
- Transformed the large dataset by leveraging advanced visualization techniques for uncovering 10+ key patterns.
- Made use of calculated fields, filters for optimizing user engagement, supported decision making by 99%.

DevConnector

May 2024 - August 2024

SKILLS : React | Node.js | Express.js | MongoDB

- Designed and deployed a MERN stack platform supporting 500+ users with authentication and real-time features.
- Implemented REST APIs and MongoDB indexing, improving query performance by 25%.
- Managed state using Redux Thunk, reducing API response time by 20%.

StudyBud

January 2024 - April 2024

SKILLS : Django REST Framework | Python | SQL

- Built a collaboration platform serving 200+ active users, improving group formation rate by 30%.
- Conducted load testing with 100+ concurrent sessions, ensuring stable performance under stress.
- Automated user reports with SQL queries, reducing manual analysis by 40%.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, SQL, HTML, CSS

Frameworks & Tech: React, Node.js, Express.js, REST APIs, Authentication & Authorization

Data & ML Tools: Scikit-learn, Regression Models, Classification, Clustering, Apache Spark

Cloud & Development: AWS (S3, EC2, Lambda), Tableau, Power BI, Jupyter Notebook, Docker, Jira, Git, VS Code

BI & Visualization: Tableau, Power BI, MS Excel, Agile Development, SCRUM environment

CERTIFICATIONS

- Complete Full Stack Web Development Bootcamp – Udemy