

S.Ganapathi Subramaniam (Gana)

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Education

Illinois Institute of Technology, Illinois – United States of America

2023 – 2025

Master's in Computer Science, Specialization in Software Engineering

Coursework: Data Processing & Analysis, Software System Architecture, Big Data Technologies, Software Testing & Analysis, Advanced Database Organization, Mobile Application Development

SASTRA University, Tamil Nadu – India

2016 – 2020

B.Tech Mechanical Engineering

Coursework: Web Applications Development using Java, Management Information Systems, Industrial Robotics, Operation Research

Work Experience

Startup Studio Data Analyst | Kaplan Institute, Illinois Tech | Chicago, Illinois

Sep 2023 – Present

- **Developed dashboards and automation scripts** for the academic leadership team to assess and address student needs, improving support and outcomes.
- Graded and assisted students in validating startup ideas, leading to 4 startups competing in the Annual Pitchfest Competition.
- Conducted the Startup Studio club, increasing student footfall by 200%, by providing educational sessions on Leadership, Strategy, Solutioning, and Customer Discovery.

Software Intern | Syndigo LLC | Chicago, Illinois

Jun 2024 – Nov 2024

- **Achieved 80% API test coverage** by automating 25+ APIs with 100+ test scenarios using **Python** and **Playwright**, ensuring data consistency and business alignment through robust API automation strategies.
- **Ensured 100% data transformation accuracy** across multiple products by automating validation checks for 25+ APIs in Azure storage, guaranteeing seamless data integrity and compliance.
- **Attained 40% UI test coverage** post data model synchronization by implementing end-to-end (E2E) automation, enhancing the overall testing efficiency.
- **Enhanced automation coverage by 20%** by contributing to the development of a low-code automation tool, enabling citizen testers to independently create and execute test cases.

Associate | Cognizant Technology Solutions | Bangalore, India

Aug 2020 – Jul 2023

- **Achieved a 95% reduction in manual effort** by spearheading the development of an extensible Automated Reporting System using **Python** and **HTML/CSS** streamlining project status reporting.
- **Reduced regression testing efforts from 70 to 3 man-days** by developing a reusable Test Automation Framework with **Python** and **Robot Framework**, enhancing testing efficiency and repeatability.
- **Improved overall test coverage by 40%** by automating 200+ regression test cases and continuously integrating new scenarios into the regression suite every sprint, ensuring enhanced test effectiveness.
- **Enabled seamless collaboration across offshore teams** by leading the adoption of the Automated Reporting System and Test Automation Framework across multiple client projects, empowering leadership to allocate resources and deliver to clients efficiently.
- **Accelerated production deployment by 1 week per sprint** by delivering functional demos of business requirements, strengthening client trust and improving stakeholder engagement.

Key Projects

AutoApplyLn

[Repository](#)

- **Automated the job application process**, achieving an **80% increase in efficiency**, by developing a tool that enabled users to filter LinkedIn job postings.
- **Enhanced user experience and improved networking efficiency** by creating an intuitive frontend interface, and by generating an Excel report that logs all application details and collects HR contacts, helping users build a valuable professional network.

Skills

Languages- Python, MySQL, PostgreSQL, JavaScript, Java, HTML, CSS

Frameworks - Selenium, Robot Framework, Playwright, Bootstrap, Flutter, Flet, Kivy, Angular

Tools/Technologies: Jira, Git, Postman, MS Office, AWS EC2, AWS QuickSight, AWS S3, IBM Watson

Extra – Curricular & Volunteering Activities

- Head of Innovation & Entrepreneurship Club | Illinois Institute of Technology
- Software Engineer at SEDS (IIT Rocketry Club)

Sep 2023 – Present
Sep 2023 – May 2024