

## 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, 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

**Data Analyst | Kaplan Institute, Illinois Tech | Chicago, Illinois**

**Sep 2023 – Present**

- **Developed dashboards and automation scripts** for the academic leadership team, allowing them to assess and address student needs, **enhancing support and enriching program quality**.
- Mentored students in **validating startup ideas, leading to 4 startups** competing in the Annual Pitchfest Competition.
- **Led workshops for the Startup Studio club** on Leadership, Strategy, Solutioning, and Customer Discovery, boosting student engagement by 200%.

**Software Engineering Intern | Syndigo LLC | Chicago, Illinois**

**Jun 2024 – Nov 2024**

- **Developed a low-code automation framework** enabling citizen testers to independently create and execute test cases, **increasing automation coverage by 20%**.
- **Orchestrated a continuous testing pipeline** with **80% API coverage** by automating **25+ APIs** and **100+ scenarios** using Python and Playwright, ensuring data consistency and business alignment.
- **Created a validation module** automating checks for **25+ APIs** in Azure storage, ensuring **100% data transformation accuracy** across multiple products.
- **Operationalized end-to-end (E2E) automation**, achieving **40% UI test coverage** post data model synchronization, enhancing overall testing efficiency and system accuracy.

**Associate | Cognizant Technology Solutions | Bangalore, India**

**Aug 2020 – Jul 2023**

- **Designed and Engineered an extensible Automated Reporting System** using Python and HTML/CSS for senior leadership, cutting manual effort and reporting time by 95%.
- **Developed a reusable Test Automation Framework** with Python and Robot Framework, improving testing efficiency and slashing regression effort from 70 to 3 man-days.
- **Implemented automation** for **200+ regression test cases** and added new scenarios each sprint, **increasing coverage by 40%** and maintaining test quality.
- **Spearheaded adoption of automation frameworks across client projects**, boosting offshore collaboration and enabling effective resource management by the senior leadership team, ultimately improving project delivery.
- **Orchestrated sprint-wise functional demos, expediting production deployments by 1 week each** and improving stakeholder alignment and trust.

### Key Projects

**AutoApplyLn**

[Repository](#)

- **Developed** a tool that **automatically filtered and applied** to relevant LinkedIn job postings, reducing user effort by **80%**.
- **Enabled** the tool to run in the background, allowing users to **focus on other tasks** while the tool works autonomously.
- **Created** a comprehensive reporting feature that generates HR contacts, enabling users to **track job applications and build a valuable professional network**.

### Skills

**Languages** - Python, SQL, JavaScript, Java, HTML, CSS

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

**Tools & Technologies** - Jira, Git, Postman, MS Office, AWS (EC2, QuickSight, S3, Athena), IBM Watson, Airtable, Notion

### 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**