



# Vaidehi Purohit

Software Engineer

## CONTACT

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## EDUCATION

- 2018 - 2022** - **8.16 CGPA**  
**GSSS Institute of Engineering and technology for women, Mysore**
  - Bachelor of Engineering ( Information Science)
- 2016 - 2018** - **81%**  
**Sadvidya composite PU College, Mysore**
  - PCMCs ( Computer Science)
- 2016** - **93%**  
**Avila Convent High School, Mysore**

## TECHNICAL SKILLS

- Python
- C
- Jira
- SQL( Basics )
- Agile
- Shift-Left
- Perl and Batch scripts
- SDET
- Open-AI

## SOFT SKILLS

- Problem-solving skills
- Communication skills
- Effective Contributor
- Team worker
- Strong organizing and leadership skills
- Good listener
- Time Management

## PROFESSIONAL SUMMARY

**Software Engineer** with 3 years of experience in developing(SDET) , testing, and maintaining software solutions. Proficient in **Python**, C++, and C with the ability to **learn and apply** new technologies. Experienced in managing projects, optimizing processes, and **solving problems in Agile environments**. Skilled in designing architectures and improving code performance to **enhance product quality**. Recognized for improving workflows, reducing system bottlenecks, and increasing team efficiency, contributing to the **successful completion** of projects.

## WORK EXPERIENCE

### Lam Research

Software Engineer

Aug 2022 - Dec 2024

- Reduced the regression test cycle by 60% and saved up to **9 shifts** of manual effort by developing **Python utilities and streamlining** the existing processes.
- Partnered with senior data scientists to develop a python utility for comparing tool logs across different builds, performing **statistical tests** such as **identity, epsilon, containment, and alpha** tests. This solution is now utilized by over 5 different teams to enhance operational efficiency.
- Collaborated with a senior engineer to develop a utility that integrated Lam tool data with Open-AI, **automating test case and script generation**. This streamlined the testing process, reducing manual effort by 40%
- Driving **Agile methodologies** and best practices in the team. Creating and managing sprint data and defect reports using test management and defect tracking tools such as **IPLM, JIRA, Confluence** . Ensuring effectiveness of daily **stand-ups** meetings utilizing feedback.

Software Engineer ( Intern )

Jan 2022 - Aug 2022

- Designed a **UML diagram generation utility** for a Java code-base, automating the visualization of class structures and relationships, significantly helped the team.
- Created a **Python** utility to perform **identity tests** on tool logs from various LAM tools, including etching, deposition, and cleaning technologies, achieving 95% efficiency in log analysis and enhancing the accuracy of the testing process.

## ACCOMPLISHMENT

- Engineered **regression supporting data log and config-compare utilities**, reducing deployment effort by 60% and streamlining the testing process, resulting in faster, more efficient releases.
- Delivered posters on the **Shift Left Idea and fault detection using logs** at Lam Research's Engineers Day 2022 and 2024, influencing over 5% of team members to adopt early testing practices and log-based troubleshooting.

## PUBLICATIONS

[Clinical Parameters Monitoring Framework Using Image Processing and Machine Learning](#) - 2022

<https://github.com/Vaidehi-M-P/Clinical-Parameters-Monitoring-Framework-Using-Image-Processing-and-Machine-Learning>