

CONTACT DETAIL

 saumyaprakash30@gmail.com

 [LinkedIn](#) [GitHub](#) [Portfolio](#)

TECHNICAL SKILLS

Programming language:

C#, C++, C++/CLI

Software & Frameworks:

.NET framework, Angular, gRPC, Nunit

Database: SQLite, SQL

Platform: Linux, Windows

Others: GIT, Azure DevOps

CORE COMPETENCIES

- Software Architecture Design
- Agile Methodologies
- Performance optimization
- WBS (Work Breakdown Structure)
- Design for Testability

SOFT SKILLS

Team work

Adaptive

Quick Learning

Detail-oriented

Time Management

EXTRACURRICULAR

ACTIVITY

- Secured the First prize in the Robotics Competition (college fest) at Samgatha in 2018.
[**Arduino UNO, C**]
- E - yantra (IIT Bombay) Inter-college competition
[**Image Processing, python**]

INTERESTS

- System Design
- Backend Development
- Travelling
- Esports

Saumya Prakash

Software Engineer at KLA | IIIT DM Kancheepuram Alumnus

As a qualified MTech. professional with over two years at KLA, I have enhanced and maintained sophisticated software products by adding features and resolving issues with a skilled engineering team. My passion for software engineering drives continuous learning, professional growth, and innovation within a dynamic, growth-oriented environment.

WORK EXPERIENCE

Software Engineer | KLA, Chennai | Jul'22 - present

- I gained knowledge of the semiconductor industry and contributed significantly to various projects. I enhanced and maintained software for multiple product lines using .NET Framework, C#, and C++, ensuring robust performance, reliability and collaborated with different sub system teams to implement new features.
- RUN Infra changes done in part of a feature where we change our legacy operation-based DAG to C# workflow task oriented. This feature also includes WPF UI porting that can support our Infra and system.
IMPACT: Enhanced Maintainability, Scalability, Reduction in Tech Debt, Simplified testing.

Key Improvements:

- **Transforming the code from writing 120+ lines to 5 lines of code**
Refactored the one of the major component of our tool software which is responsible for reading and saving the data in file system. Applied composite, singleton and template design patterns. [c#, Design Pattern, Unit Testing]
IMPACT: Improved Code Maintainability, Reusability, performance, Better scalability, Ease of testing, Readability of code for other developers
- **Optimized Build Time (~98%) and Solved Manual patch generation problem (Hackathon)**
With existing technology present in division, Improved the build time for developers using git, scripting and CI build machines that reduced time from ~60min to 45 seconds. [C#, Batch scripting, yaml]
IMPACT: Saves developer time ~160 days/year (25 days 3 builds/week) and automated patch creation saves ~108 hrs./year

INTERNSHIP

Software Engineering Intern | KLA, Chennai | Jan22-Jun22

I contributed to the project by porting and rewriting legacy unmanaged code to managed C# for a major component used in the MainUI for reviewing results.
[C#, .NET Framework]

Software Engineering Intern | KLA, Chennai | May21-Oct21

Created a dashboard for the developer to check the encrypted dump file which was created due to software crash and make the param change to retry the job run.
[C#, .NET, Angular, c++/CLI, gRPC]

ACADEMIC QUALIFICATION

- MTech. & B.Tech. in Computer Engineering from IIIT DM, Kancheepuram in 2022 with 8.5 CGPA
- 12th from Doon Public School, Patna
- 10th from DAV Hehal, Ranchi