

CONTACT DETAIL

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 [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 COMETENCIES

- 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.

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.

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