CONTACT DETAIL

Email: saumyaprakash30@gmail.com
Mob.: 9110911562
Links: LinkedIn GitHub

TECHNICAL SKILLS

Programming language:
C#, C++, C++/CLI
Software & Frameworks:
.NET framework,,ASP.Net, Angular, gRPC, REST, 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
- Photography

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

- Software Development and Maintenance: Enhanced and maintained software for multiple product lines using .NET Framework, C#, and C++, ensuring robust performance and reliability. Collaborated with various subsystem teams to implement new features with TDD.
- RUN Infra Changes: Transitioned legacy operation-based DAG to a C# workflow task-oriented system, including WPF UI porting to support infrastructure and systems.
  Impact: Enhanced maintainability, scalability, and reduced tech debt, simplifying testing.
- Transforming the code [c#, Design Pattern, Unit Testing]
  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: Saves from writing 120+ lines to 5 lines of code ,Improved code maintainability, reusability, performance, scalability, and readability.
- Build Optimization: Achieved ~98% optimization in build time and solved manual patch generation issues. Reduced build time from ~60 minutes to ~45 sec using git, scripting, and CI build machines.
  Impact: Saved ~160 developer days/year and automated patch creation saved ~108 hours/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