

# ANKUSH DWIVEDI

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## EXPERIENCE

### Applied Materials

*Sr. Software Engineer*

Bangalore, KA

Nov 2021 - Present

- Improved the Real-time charting system to scale better with incoming CFM stream. Made Y-axis spread intuitive & used scaled units to handle upto 24 orders of magnitude, overcoming challenges with data analysis and precision.
- Implemented GUI for new "Tycho" chamber and its corresponding multi zone heater devices.
- Created recipe editors for Centura Etch baseline using recipe framework utilizing abstract factory pattern.

### Philips Innovation Campus

*Software Engineer-I (DINxGen)*

Bangalore, KA

Jun 2019 - Nov 2021

- Built application components end to end using in-house frameworks, thereby driving UX KPIs such as predictable operator daily workload, reduction in scan preparation time & easier transitions between modalities.
- Developed "PictorialIndex EIID" component -used to display information of acquired image series, from design to unit & component tests. Worked with challenging undocumented legacy code.
- Helped the team deliver the relevant features on time with high quality by utilizing the following tech stack: C#, .NET, WPF, XAML, Prism Framework for development & Nunit, Rhino Mocks, Specflow for testing.
- Delivered various features of the DITestSystem by developing various batch and powershell scripts.
- Developed a single click installation pipeline which went through the hardened OS and install DITS on DXR VM. This reduced the developer's daily time and effort by about 50%.

### Philips Innovation Campus

*Software Engineer-I (Gantry Display)*

Bangalore, KA

Jul 2020 - Dec 2020

- Coordinated with Clinical Consultancy team (Best, Netherlands) and the Hardware team (Suzhou, China) to document requirements & help layout the project roadmap.
- Mediated discussions from requirement documentation to testing & stabilization, ensuring delivery with high quality (TICS gate A) within constrained timeline.
- Improved UI rendering time from 530ms to 470ms (roughly 13% reduction) to meet the performance requirement of 500ms so that a delay isn't observed.
- Took initiative to resolve the long standing flicker issues in the application.

### Philips Innovation Campus

*Intern*

Bangalore, KA

Jan 2019 - Jun 2019

- Received training as part of the bootcamp for topics like Scaled agile (SAFe), Clean code practices, SOLID principles, TDD, BDD, Prism Framework, C++, C#, WPF, Clinical workflows & healthcare protocols.
- Built the config merger tool which helped DI and MR teams to merge their config files at runtime and use resources as necessary.
- Generated code coverage reports for UI code using NCover for the most important workflows of the application.

## EDUCATION

**Manipal University B.Tech , Comp Sci**

Manipal, KA

Jun 2015 - Jun 2019

## SKILLS

Languages: C, C++, C#, Java, SQL  
Frameworks: .NET, WPF, Winforms, NUnit, Spring Boot, RhinoMocks, Specflow, Prism, Powershell  
Dev tools: Git, Clearcase, Visual Studio, IntelliJ, TFS, CQ, Windchill  
Interests: DSA, LLD, HLD, Design Patterns, Clean code, SOLID, TDD, BDD

## PROJECTS

**Electronics rental store** *Java, SpringBoot, Thymeleaf, JDBC*

Developed a SpringBoot web application for a concept electronics rental store.

## ACTIVITIES

### Hackathon

Core organizer of a 2-day hackathon, worked with the judge panel to define topic guidelines, scheduled presentation order & worked with management to decide awards. 8 teams (73 people) registered and 3 of the PoCs were taken to production

Oct 2020

### Team Bonding

Organized fun activities like mafia, poker tournament for onboarding new employees and "Guess who?" for birthday celebration.

Feb 2022