

Harshal Sinha

📍 New Brunswick, New Jersey, United States ✉ harshal.sinha2496@gmail.com ☎ +919591334312 🔗 <https://www.linkedin.com/in/harshal-sinha/>
🌐 <https://smartbrain-face-detector.herokuapp.com/>

SUMMARY

Computer Science graduate student at Rutgers University with three years of software development experience. Currently seeking software engineering internship opportunities for the Summer of 2022.

EXPERIENCE

Software Engineer 2

Philips

July 2020 – June 2021, Bangalore, India

- Involved in the high-level design discussions of services in order to cater to new UI/UX proposals.
- Carried out POC for the owned service to ensure the current software architecture can be extended to cater to the latest UI/UX proposals.
- Implemented the new proposals (including the documentation) comfortably within the set deadline and with very high code quality (TIOBE TICS score A) and code coverage.
- Reduced the time taken by the service to move around the different views on the application by approximately 40%.
- Received recognition for the above-mentioned contribution from the team's Architect and Manager.

Software Engineer 1

Philips

July 2018 – June 2020, Bangalore, India

- Started with understanding the architecture of a multi-window, multi-process Windows desktop application.
- Contributed to the development of structured and maintainable UI modules using Microsoft's Windows Presentation Foundation(WPF) combined with the Prism library following MVVM architecture.
- Involved in the design and development of one of the key services of the desktop application.
- This service is at the heart of the application as it holds the responsibility of navigating between different views that are shown to the user based on the user's actions on the application.

Software Engineering Intern

Philips

January 2018 – June 2018, Bangalore, India

- Performed POCs for remote debugging applications using Visual Studio Remote debugger.
- Developed an Attribute-based Test Framework using advanced C# concepts like Attributes and Reflection.
- Developed the UI for the application following MVVM architecture and using Microsoft's Windows Presentation Foundation(WPF).
- The test framework helps in filtering the tests based on either the test type or test id.
- The framework reduces the time taken for automated testing by providing a way to run only the targetted tests present in multiple DLL placed in a particular folder.

PROJECTS

Face Detector Web App

Pet Project • March 2021

- Developed a web app that detects human faces present in an image uploaded by the user.
- Functionalities in the app include a registration form and a login form.
- The app maintains a count of the number of images in which faces were successfully detected.
- Technology used: HTML, CSS, ReactJS, NodeJS, Postgresql, Heroku, Git, Github.

ICTAPP

College Project • April 2017

- Developed an android app to solve various problems faced by students in my college department.
- Functionalities in the app includes – a list containing information regarding faculty contact details and their area of specialization, provision to book an appointment with a faculty and so on.

EDUCATION

Bachelor of Technology in Computer and Communication Engineering

Manipal Institute of Technology • Manipal, India • 2018 • 7.74/10

SKILLS

Programming Languages: C++, C, C#, Java, Javascript, Python