

# Chinmaya Sharma

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## Education

### Amity School of Engineering and Technology

B.TECH IN COMPUTER SCIENCE

GPA: 7.31

Noida, Uttar Pradesh

July 2018 – April 2022

## Work Experience

### SHL India

SOFTWARE ENGINEER

- Worked on development of SIA, SHL's AI Screener
- Assumed increased leadership responsibilities as a Software Engineer.
- Developed new features for implementation of WCAG patterns across products
- Led a project to systematically eliminate legacy vulnerabilities from the codebase, ensuring enhanced security and stability.

Gurgaon

March 2024 – Present

### SHL India

ASSOCIATE SOFTWARE ENGINEER

- Played a pivotal role in launching TC Plus, a new assessments platform.
- Developed innovative, media based assessments to enhance user engagement.
- Worked on development of Process Monitoring - a simulation based assessment
- Led significant migration projects, transitioning from AngularJS to Angular and React.
- Focused on improving software accessibility in alignment with WCAG guidelines.
- Worked on developing ATOM, a form management library reducing development time across teams

Gurgaon

January 2022 – March 2024

### Marksman Technologies

WEB DEVELOPMENT INTERN

Noida

May 2021 – July 2021

### Nethuts

WEB DEVELOPMENT INTERN

Kolkata

September 2020 – December 2020

## Skills

**Programming Languages:** JavaScript, HTML/CSS, SCSS, Typescript

**Frameworks:** Angular, ReactJS, Unity, Single-SPA

**Others:** Reactive forms, RxJS, Canvas API, WCAG, Git, Bitbucket, Jira, Functional Programming  
Hooks API, Mobile First Design, Responsive UI

## Projects

### TC+

CONTRIBUTED TO THE AM TEAM DURING THE LAUNCH OF A NEW ASSESSMENTS PLATFORM, TC PLUS.

RESPONSIBILITIES INCLUDED DEVELOPING NEW ASSESSMENTS USING ANGULAR AND ENHANCING FRONTEND

STABILITY PRE-LAUNCH. THE PLATFORM IS PERFORMING EXTREMELY WELL, WITH NO MAJOR HICCUPS, BRINGING IN  
SIGNIFICANT REVENUE AND CONTINUOUSLY ADDING NEW ASSESSMENTS.

Angular, ReactJS, HTML, SCSS,  
Javascript, Reactive forms, Canvas  
API, Hooks API, Context API,  
Responsive UI, Mobile First Design

<https://www.shl.com/shldirect/en/practice-tests/>

### Avatar based Assessment

INDEPENDENTLY DEVELOPED THE FRONTEND FOR AN INNOVATIVE AVATAR-BASED ASSESSMENT UNDER THE

GUIDANCE OF THE DIRECTOR OF AI AND PROJECT MANAGER. THIS MEDIA-RICH ASSESSMENT SIMULATES A REAL-LIFE

INTERVIEW EXPERIENCE AND IS CURRENTLY IN USER TRIALS, WHERE IT IS PERFORMING EXCEPTIONALLY WELL.

Angular, HTML, Javascript, SCSS,  
Reactive forms

## Process Monitoring

COLLABORATED IN THE DEVELOPMENT OF A GAMIFIED ASSESSMENT THAT EMULATES A PROCESS MONITORING STATION, INTEGRATING ADVANCED ANIMATIONS AND EXTENSIVE DEVELOPMENT IN CANVAS. THIS PROJECT, ONE OF THE COMPANY'S TOP PERFORMERS, HAS ADMINISTERED OVER 50,000 TESTS AND SIGNIFICANTLY CONTRIBUTED TO REVENUE GROWTH.

Angular, HTML, SCSS, Javascript, Canvas API

<https://www.shl.com/shldirect/en/practice-tests/>

## SIA - AI Screener

ACTIVELY CONTRIBUTED TO THE DEVELOPMENT OF SHL'S AI SCREENER. THIS PROJECT INTEGRATES GENERATIVE AI FOR VIDEO CREATION WITH A CHAT-BASED AI TO PROVIDE AN AUTOMATED INTERVIEW EXPERIENCE, ALLOWING FOR THE EFFICIENT SCREENING OF NUMEROUS CANDIDATES.

ReactJS, Typescript, Canvas API, Angular, Context API, Hooks API

## TC+ Microfrontend Transition

CURRENTLY CONVERTING THE MONOLITHIC TC+ PROJECT INTO A MICROFRONTEND-BASED ARCHITECTURE. THIS TRANSITION WILL MAKE IT EASIER TO ADD NEW ASSESSMENTS AND GREATLY IMPROVE THE APPLICATION'S EFFICIENCY. THE NEW ARCHITECTURE WILL ENHANCE SCALABILITY AND MAINTAINABILITY, ENSURING A SMOOTHER DEVELOPMENT PROCESS AND A BETTER USER EXPERIENCE.

ReactJS, Typescript, Angular, Single-SPA, RxJS, Hooks API

## TC+ Accessibility Initiative

ACTIVELY CONTRIBUTED TO MAKING TC PLUS ASSESSMENTS WCAG-COMPLIANT, INCLUDING DEVELOPING ALGORITHMS FOR KEYBOARD NAVIGATION AND FEATURES FOR INTERACTIVE ASSESSMENT ACCESSIBILITY, SIGNIFICANTLY IMPROVING USER INCLUSIVITY.

WCAG, Angular, ReactJS, Reactive forms, Javascript, Canvas API, SCSS, Hooks API

## Migration Initiatives

CORE FUNCTIONALITIES: LED THE INITIATIVE TO MIGRATE CORE FUNCTIONALITIES FROM ANGULARJS TO REACT AND ANGULAR. THIS EFFORT WAS AIMED AT AND RESULTED IN A MORE STABLE, EASIER-TO-MAINTAIN PROJECT WITH REDUCED VULNERABILITIES AND BETTER PERFORMANCE. INDIVIDUAL ASSESSMENTS: CURRENTLY GUIDING AND MENTORING JUNIOR TEAM MEMBERS IN THE MIGRATION OF ASSESSMENTS FROM ANGULARJS TO ANGULAR AND REACT.

ReactJS, Angular, Angular JS, Reactive forms, Javascript, SCSS, Hooks API, Context API

## Atom

CONTRIBUTED TO THE CORE TEAM THAT DEVELOPED AN INPUT HANDLING LIBRARY FOR SHL, PROVIDING FORM MANAGEMENT FUNCTIONALITY IN REACT USING HOOKS. THIS LIBRARY SIGNIFICANTLY REDUCED DEVELOPMENT TIME ACROSS MULTIPLE TEAMS

React, Zustand, Typescript

## RagaReactive

RAGAREACTIVE IS A LIGHTWEIGHT STATE MANAGEMENT UTILITY I DESIGNED TO SIMPLIFY STATE HANDLING IN WEB APPLICATIONS. IT IS BUILT ON TOP OF RXJS, IT OFFERS A REACTIVE APPROACH TO MANAGING AND SUBSCRIBING TO APPLICATION STATE CHANGES.

Typescript, RxJS

<https://www.npmjs.com/package/raga-reactive>

## A11y-Ninja

THIS LIBRARY IS A COLLECTION OF TYPESCRIPT MODULES DESIGNED TO ENHANCE ACCESSIBILITY AND USER INTERACTION WITHIN WEB APPLICATIONS. IT INCLUDES UTILITIES FOR FOCUS MANAGEMENT, SELECTION BEHAVIORS, AND KEYBOARD NAVIGATION IN TABLES, MAKING IT IDEAL FOR ANGULAR AND REACT-BASED APPLICATIONS.

Typescript, ReactJS, Angular, RxJS, WCAG

<https://github.com/foxtrot12/A11y-Ninja>

## Awards

October 2022 **Experienced Practitioner**, Recognised for my work in developing Next Generation assessments (Avatar based assesment and Process Monitoring)

SHL India