

# Nikhil Nayyar

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## Experience

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### Classplus

July 2021 – May 2023

*Software Engineer, Frontend*

- **Developed and maintained features:** White label web (core product), product 2.0 (DIY), marketing campaigns, live classes (Agora, hls.js, DRM), and store (courses, content upload & scheduling, book delivery).
- **Optimized chat** for handling large messages. **Created reusable web components** using Storybook.
- **Implemented Zoom integration** within the product. **Created a video player** for live classes. **Utilized GitHub actions** for automated deployment. **Established git workflow architecture** for dev, QA, and release.
- **Conducted POCs using Node.js.** Utilized HTML table for. **Utilized Cypress Test** for code coverage.
- **Worked with technologies** such as WebView, Nginx, npm, compilers (Parcel, etc.), redux-saga, shadow DOM
- **Rewards & Recognition: MVP** (Most valuable player)

### Creative Storm

September 2020 – December 2020

*Full Stack Developer Intern, Web MVP*

- **Designed & Created MVP:** built flow charts and interactive prototypes (product & landing page), **Frontend Architecture** (boilerplate & guidelines); **Core features** of MVP (Frontend): User Onboarding, User Profile, **Live Chat**.

### Research – C++ Memory Manager

September 2020 – December 2020

*Student, Minor Project*

- Conducted research with my fellow colleague to **create flexible C++ Memory management implementations for reducing the running time of C++ memory-intensive programs.** Example: Code that took 30s, ran within 3s.

### Schotest

June 2019 – August 2019

*Full Stack Developer Intern, MEAN Web App – Online MCQ Exam Portal*

- **Frontend:** modules (dashboard, admin, exam-portal), theming, guards, interceptors, services, forms, pipes, directives, modals, Rxjs, Ngrx (flux), PWA. **Backed:** MVC pattern, secured REST API with JWT Auth, and database design.

## Education

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### Maharaja Surajmal Institute of Technology, Delhi, India

August 2017 – July 2021

*Bachelor of Technology in Information Technology*

### St Mark's Senior Secondary Public School, Delhi, India

April 2017

*Non-Medical with Computer Science, 94.2%*

## Projects

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### Codebase (Nodejs, WebSocket's)

April 2019

- A website that has an editor for presentations, coding, and drawing; screen sharing option and text messaging.

### C++ Console Scrolling Window

February 2019 – Jun 2021

- Provides classes & APIs to paint a window inside the console terminal.

## Skills

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**Languages:** C, C++, Python, SQL, Javascript, TypeScript, HTML5, Advance CSS

**Concepts:** Functional, Reactive & OOP; UI & Responsive Design, Cross- platform, E2E & Unit Testing, Prototyping

**Others:** Git, AWS, Firebase, Heroku, Adobe XD, MongoDB, Nodejs, Angular, React, Vue, Webpack