

# Ayush Kumar Shaw

ayushshawz@gmail.com | +91 98312-84491

## SKILLS

### LANGUAGES

Java • HTML • CSS • Javascript  
• C • C++ • Python • Shell • SQL

### FRAMEWORKS

Spring Boot • Django REST

### TOOLS

Git • GitHub • GitLab • Mockito  
• JUnit • Apache Tomcat • LaTeX  
• jQuery • JDBC • Gradle • Selenium  
• Wireshark • Postman • IntelliJ IDEA  
• VSCode • Eclipse • Sublime Text

### DBMS

Oracle • MySQL • MongoDB

### PLATFORMS

Linux • GCP

### SOFT SKILLS

Leadership • Technical Content Writing

## LINKS

LinkedIn:// ayush-shaw  
GitHub:// Ak-Shaw

## EDUCATION

### B. TECH

COMPUTER SCIENCE AND  
ENGINEERING

BGI - SDCT | AUG 2017 - AUG 2021  
West Bengal, India  
Cum. GPA: 8.98 / 10.0

## VOLUNTEERING

### CRIO ADVOCATE

Crio.Do

Oct 2020 - Present

Aided in orchestrating HacktoberFest 2020 and acted as OSS maintainer and reviewer.

## ACCOMPLISHMENTS

### TCS CODEVITA

SEASON 8 ROUND 1 | INDIA ZONE 1  
RANK: 574 OUT OF 2562  
Aug 2019

## EXPERIENCE

### CRIO.DO | SOFTWARE ENGINEER (CONTENT) - INTERN

Nov 2020 - Jan 2021 | Remote

- Contributed instructional designs for 6 individual projects which served as learning content for software developers.
- Actively reviewed instructional designs for projects proposed for the Crio ProjectsHub in the Crio-projects GitHub organisation.

### CRIO.DO | STUDENT DEVELOPER (CRIO LAUNCH PLUS 2020) - TRAINEE

Apr 2020 - Aug 2020 | Remote

- Contributed to a scalable distributed back-end of a food ordering application and constructed APIs for a quiz application.

### CRIO.DO | STUDENT DEVELOPER (CRIO LAUNCH 2020) - TRAINEE

Feb 2020 - Apr 2020 | Remote

- Contributed to these projects: a secure file-sharing service, a visual stock portfolio analyzer, and an online IDE.

Portfolio showcasing contributions as a student developer:

[criodo.github.io/portfolio-ayushshawz/](https://criodo.github.io/portfolio-ayushshawz/)

## PROJECTS

### VISUAL STOCK PORTFOLIO ANALYZER

Mar 2020 - Apr 2020 | Guided Individual Project

- Technologies Utilized: Java, SpringBoot
- Stock quote services were addressed via REST APIs.
- Refactored code to adapt to an updated interface contract published by the back-end team.
- Brought comprehensive error reporting and better exception handling into picture, which further improved application stability.
- Multi-threading was introduced to improve application responsiveness.

### FOOD ORDERING APPLICATION

Jan 2020 - Aug 2020 | Guided Individual Project

- Technologies Utilized: Java, SpringBoot, MongoDB
- Implemented a simple REST API and the corresponding request handler and response methods.
- Code reliability was demonstrated, utilizing JUnit and Mockito behind the scenes.

### SECURE FILE-SHARING SERVICE

Feb 2020 - Apr 2020 | Guided Individual Project

- Technologies Utilized: Bash
- Implemented a pre-installation script that validated the minimum system requirements to be met for the customised VSFTPD server installation. The script checked the availability of required processor, memory, disk space, and OS version.
- Identified regressions in newer versions of the server. Performance issues were debugged by monitoring the memory usage, cpu usage, file transfer speed, and file permission issues.
- Analyzed collected pcap files using Wireshark to troubleshoot the following network issues: TCP retransmissions, connection refusals, dropped connections, sub-optimal TCP window sizes and retransmission delays.
- Created SSL certificates to enable end-to-end encryption. In order to ensure encryption, snooped the network traffic using Wireshark.