

# Ayush Kumar Shaw

linkedin.com/in/ayush-shaw/  
ayushshawz@gmail.com | +91 98312-84491

## SKILLS

### LANGUAGES

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

### FRAMEWORKS

Spring • Spring Boot

### TOOLS

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

### DBMS

Oracle • MySQL • MongoDB

### PLATFORMS

Linux • GCP

### SOFT SKILLS

Leadership • Writing  
• Time Management

## LINKS

LinkedIn:// ayush-shaw  
GitHub:// Ak-Shaw  
Twitter:// @Ayush\_Shaw\_z

## EDUCATION

### BGI - SDET

B. TECH IN COMPUTER SCIENCE  
AND ENGINEERING  
June 2021 | West Bengal, India  
Cum. GPA: 7.8 / 10.0

## COURSEWORK

### UNDERGRADUATE

Database Management System  
Computer Networks  
Operating Systems  
Object Oriented Programming  
Data Structures & Algorithms  
Design & Analysis of Algorithms  
Digital Electronics  
Discrete Mathematics  
Computer Organisation  
Computer Architecture

## EXPERIENCE

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

Jan 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:

criodo.github.io/Crio-Launch-Feb-2020-ayushshawz/

## PROJECTS

### VISUAL STOCK PORTFOLIO ANALYZER

Mar 2020 – Apr 2020 | Guided Individual Project

- Developed to help portfolio managers make trade recommendations for their clients.
- Utilized stock quote services via **REST APIs**.
- Published the portfolio manager library as a **JAR**.

### FOOD ORDERING APPLICATION

Jan 2020 – Aug 2020 | Guided Individual Project

- Built a distributed **Java** back-end.
- Adhered to **MVCS** layering.
- **MongoDB** aided storage.
- Utilized **JUnit** and **Mockito** for testing.
- Executed Facebook Share API, Pinterest Share API, and Clarifai API.

### SECURE FILE-SHARING SERVICE

Feb 2020 – Apr 2020 | Guided Individual Project

- Installed a customized version of the **VSFTPD** server.
- Debugged performance issues.
- Troubleshot network issues by collecting and analyzing **pcap** files using **Wireshark**.
- Enabled end-to-end encryption by creating **SSL** certificates.

### QUIZ APPLICATION

Aug 2020 | Guided Individual Project

- Created **API** for **GET** and **POST** request.
- Utilized **Spring Boot** along with **MongoDB**.
- Usage of **Postman** verified the implementation of the APIs.
- Wrote unit test cases to demonstrate code reliability by utilizing **JUnit** and **Mockito**.

## ACCOMPLISHMENTS

### TCS CODEVITA SEASON 8 ROUND 1 | INDIA ZONE 1 RANK: 574 OUT OF 2562

Aug 2019

## CERTIFICATIONS

### PROBLEM SOLVING THROUGH PROGRAMMING IN C

NPTEL18CS10S3510040

May 2018