

# MONISH PAUL

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## EDUCATION

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**MCKV INSTITUTE OF ENGINEERING, Howrah India**  
Bachelor of Technology in Computer Science. *CGPA: 9.57*

Present

**TECHNIQUE POLYTECHNIC INSTITUTE, Hooghly India**  
Diploma in Computer Science. *CGPA: 9.20*

Sep 2021

## TECHNICAL KNOWLEDGE

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**Languages:** Java, Java Script, C++, Python, C, SQL, HTML  
**Theoretical:** Data Structures, Algorithms, OOP, DBMS  
**Frameworks & Libraries:** Spring Boot, Hibernate, ReactJs, Bootstrap  
**Developer Tools:** Git, Github, Visual Studio Code, Eclipse, IntelliJ, MySQL Workbench  
**Operating System:** Windows & Ubuntu

## EXPERIENCE

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**C-DAC (Centre for Development of Advanced Computing, Kolkata India)**

Aug 2023

Software Development Intern

- Designed & deployed multi-OS lab (Win 10, Ubuntu, Kali) via **Apache Guacamole, RDP Wrapper & virtualization** for secure concurrent browser access
- Employed **Spring Boot** to enhance lab app, ensuring smooth user interaction & efficient multi-OS management
- Executed IP-based OS selection for user-flexible multi-OS environment, optimizing the experience — [Certificate Link](#)

**JPMorgan Chase & Co. · Internship Experience**

Dec 2022

Software Engineering Virtual Experience

- Interface with a stock price data feed and used JPMC frameworks and tools to display data visually for traders in a graphical manner — [Certificate Link](#)

## PROJECTS

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**CampusNexus — ReactJS, Spring Boot, MySQL, Redis**

- Our ongoing B.tech final year project focuses on monitoring fee payments and providing relevant information to individual students. It prioritizes **grades, areas of interest, courses, and statistics**
- We've also integrated **Razorpay's payment gateway** for seamless and secure semester fee payments
- I'm responsible for the **Backend part** of this project — [Github Link](#)

**Sorting Visualizer — React, Bootstrap**

- Developed a Sorting Algorithm Visualization Project using **React.js**, showcasing various **sorting algorithms'** functionality through an interactive web application
- Created a dynamic and responsive user interface that allows users to visualize the working of sorting algorithms like **Bubble Sort, Selection Sort, Insertion Sort etc in real time** — [Website Link](#)

**e-Ducation — Servlet, JSP, MySQL, JS**

- Developed "e-Ducation" using **Servlet & MySQL** for **backend**, enabling roles, secure class access via code; features: assignments, notes, attendance, collaborative whiteboard
- Utilized **JSP** to elevate **UI/UX**, creating a Google Classroom-like online education platform — [Github Link](#)

## POSITIONS OF RESPONSIBILITY

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**Topstack — Training Instructor**

- Conducted training sessions in **PHP** and **basic Spring Boot**, equipping participants with essential skills & knowledge
- Developed and delivered engaging, hands-on curriculum to reinforce practical skills in **PHP and basic Spring Boot**, with ongoing assessment and feedback to support student growth