

# Dipanwita Das

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## Summary

Motivated and dedicated software engineering enthusiast with a strong emphasis on Java and web development. Eager to apply technical expertise in a dynamic and innovative environment.

## EDUCATION

**B.P. Poddar Institute of Management and Technology, West Bengal, India**

**Aug 2020 - July 2024**

Bachelor of Technology in Computer Science and Engineering : CGPA - 8.91

Ghoshpur High School, WBCHSE (Class 12): 64.2%

**2019**

Pindrui Kadambini Indranarayan Vidyaniketan , WBBSE (Class 10) :75.14%

**2017**

## PROJECTS

### Portfolio: (Github)

**2024**

- Developed a visually appealing and interactive user interface for the portfolio website using React and Bootstrap.
- Implemented efficient state management with Redux for smooth navigation.
- Utilized React Router for seamless component rendering based on URL.
- Integrated Formspree for secure contact form submissions.
- Technologies: **React, Bootstrap**, Redux, React Router, Formspree

### BOOKHUB: (Github)

**2024**

- Developed a comprehensive web application using **JSP, Servlet**, and **MySQL** to manage book inventory, allowing users to buy, sell, and browse books.
- Implemented core functionalities including user registration, login, book listing, purchase, and admin book management.
- Built a user-friendly interface using **HTML, CSS, and Bootstrap** for an intuitive user experience.
- Ensured data security and integrity through robust backend development and database management practices.

### Modified Multimedia Steganography:(Github)

**July, 2023 –June 2024**

- Developed an advanced steganography system using Java, leveraging **AES encryption** and LSB algorithm for image, audio, and text steganography.
- Achieved significant improvements: PSNR to 20.55 dB for images, SNR by 2.0 dB for audio, and entropy increase by 1.20 for text.
- Implemented message division, separate storage/transmission, and image overlaying for added security and seamless, undetectable embedded messages. Gained expertise in steganography, encryption, and performance optimization techniques.
- Technologies: **Java** libraries (javax.crypto, java.awt.image), AES, LSB steganography

## SKILLS

**Programming Languages:** Java, C, C++

**Web Development:** HTML, CSS, JAVASCRIPT, Bootstrap, React.js

**Soft Skills:** Analytical, Interpersonal, Teamwork, Detail-oriented

**Others:** MySQL, SQL, OOPs, DBMS, Data Structure, J2EE (Servlet, JSP), UX/UI design (Figma), Unit tests (JUnit), Git

## CERTIFICATES

- Java For Everyone [Udemy](#)
- Project Development Using JAVA for Beginners [Udemy](#)
- AWS Academy Cloud Foundations [Link](#)
- CSS, Bootstrap, JavaScript, Web Development [Udemy](#)

## Activities

- Hacktoberfest 2023: Contributed to open-source projects. ([source](#))
- Cipher Byte Technologies: Web Development (Virtual Internship) ([source](#)) **July, 2023 - Aug, 2023**
- Indigg, College Titan: Organized many gaming events. ([source](#)) **Oct 2022 - June 2024**
- BPPIMT(GDSC club), Volunteer :Successfully executed and managed many events([source](#)) **July, 2022-July ,2023**
- Viral Fission, Campus Ambassador Worked on social media marketing campaigns for Mahindra Group, Coca-Cola, etc. ([source](#)) **Aug 2022 - April 2023**
- Smart Bridge: Android in Kotlin (Virtual Internship) ([source](#)) **Aug, 2022 - Sep, 2022**