PRATTAY PAUL

Kolkata, West Bengal | prattaypaul2@gmail.com | 8240964696 | Indian
Github | Twitter | Leetcode | LinkedIn

AIM

Passionate software engineer with a keen interest in problem-solving, digital image processing, and web development. Committed to ongoing learning for success in the software industry.

ACADEMIC CREDENTIALS

B.TECH IN COMPUTER SCIENCE
St. Thomas' College Of Engineering & Technology
2020-2024 (Pursuing) MAKAUT
CGPA - 9.603 (96.0%) (Upto 6th Sem)

AISSCE (CLASS 12)
DAV PUBLIC SCHOOL
2020 CBSE
93.66%

AISSE (CLASS 10)
DAV PUBLIC SCHOOL
2018 CBSE
95.8%

- **Programming languages Known:** *C, Java, SQL*
- **Frameworks Known:** *Introduction to Spring & SpringBoot*
- **Interest** in Full Stack Web Development

TECHNICAL KNOWLEDGE

- Object Oriented Programming with Java
- Data Structures and Algorithms using C
- Database Management System
- Image Processing

PUBLICATIONS

Skin Disease Detection & Identification (Rubella Virus)
Using RENFCM Segmentation Technique
COMSYS 2023, ***IIT MANDI***
(ACCEPTED AND COMMUNICATED)
October 2023

LANGUAGES KNOWN

- English
- Bengali
- Hindi

EXTRA-CURRICULAR ACTIVITIES

- District-Level Inter Club Karate-Do Championship 1st and 3rd prize winner in Kata & Kumite Event Respectively (2017-2019)

PERSONAL DETAILS

Date of Birth
- 22-09-2002

Hobbies
- Reading Books
- Doing Yoga
- Performing Martial Arts

PROJECTS

Online Library Management Application
An application developed using **Spring Framework** and **H2** as a database for managing daily library tasks in a proficient manner.
(Dec 2022-Feb 2023) **Github Link:** LibraryManagement

To-Do Application
Developed a comprehensive to-do application leveraging the Spring Boot framework with an embedded Tomcat server.
(Aug 2022-Oct 2022) Github Link: ToDo

Online Chat Application
Developed Online Chat App using **Spring Framework** for seamless communication.
(July 2023-Dec 2023) **Github Link:** ChatApplication

Medical Image Enhancement & Segmentation using statistical approaches and optimization using genetic algorithm
Final year project *using Image Processing Techniques implemented in OpenCV and C that focusses on enhancing MRI, CT-SCAN, PET lungs and brain images for extracting and classifying necessary features from them.*
(Aug 2023-present) **Github Link:** Techniques

Optimization of K-Means, Fuzzy-C Means & Other FCM based clustering algorithm, Statistical Gaussian Noise Removal Techniques
Various clustering algorithms are implemented to understand their working on images in Java and C.
(Dec 2021-present) **Github Link:** Algorithm_Image

CERTIFICATIONS

- Achieved a merit paper certification in the Image and Computer Vision track at IIT Mandi for presenting a paper