

Deep Saha *Software Engineer*

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PROFESSIONAL SUMMARY

A highly motivated and results-driven **Software Developer** with a strong foundation in **Java**, **Python**, and **Spring Boot**. Passionate about building efficient, scalable, and user-friendly applications. Experienced in developing projects such as **Face Recognition Attendance System**, **Student Management System**, and **Employee Management System**. Strong problem-solving skills, quick to learn new technologies, and eager to contribute to innovative projects. Looking to leverage my technical expertise and enthusiasm for software development in a dynamic, growth-oriented environment.

PROFESSIONAL EXPERIENCE

Alipurduar, India

Junior Software Developer (Self-Driven Projects)

Self-Employed

- **Developed multiple software solutions** using Java, Python, and Spring Boot, including a **Face Recognition Attendance System**, **Student Management System**, and **Employee Management System**.
- **Designed real-time applications**, such as **Sign Language Detection** using Python and TensorFlow.
- Applied **data structures** and **algorithms** to optimize performance in applications.
- Worked independently and with online communities (GitHub, forums) to get feedback and improve project outcomes.
- Utilized **MySQL** and **MongoDB** for database management and **Spring Boot** for building scalable backend services.

SKILLS

Java	● ● ● ● ●	Python	● ● ● ● ●
C/C++	● ● ● ● ●	JavaScript	● ● ● ● ●
Spring Boot	● ● ● ● ●	OpenCV	● ● ● ● ●
Tensorflow	● ● ● ● ●	Mysql/ Oracle	● ● ● ● ●
MongoDB	● ● ● ● ●	GraphQL	● ● ● ● ●
Git	● ● ● ● ●	Cloudinary	● ● ● ● ●
Firebase	● ● ● ● ●	REST APIs	● ● ● ● ●
AWS	● ● ● ● ●	Docker	● ● ● ● ●

PROJECTS

02/2025 – 03/2025

Face Recognition Attendance System

Tech Stack: Python, OpenCV, Face Recognition, Firebase, Cloudinary

- Developed a Python-based system to automate class attendance using **face recognition**.
- Integrated **OpenCV** and **Face Recognition** libraries to detect and recognize faces from images.
- Used **Firebase** and **Cloudinary** for student data storage and automated attendance tracking, reducing manual errors.

01/2025 – 01/2025

Smart Contact Manager

Tech Stack: Java, Spring Boot, MySQL

- Built a **contact management system** using **Java** and **Spring Boot** for secure CRUD operations on contact data.
- Implemented user authentication with **JWT** and integrated **MySQL** for persistent storage.
- Enabled efficient search and filtering for user contacts and stored contact information securely.

10/2024 – 10/2024	Student Management System <i>Tech Stack: Java, Spring Boot, MySQL</i> <ul style="list-style-type: none"> Designed and implemented a Student management system for tracking student data, grades, and performance reports. Developed CRUD functionalities to manage student records with Spring Boot and connected to MySQL for data storage. Integrated features for generating dynamic reports based on student performance.
08/2024 – 09/2024	Sign Language Detection System <i>Tech Stack: Python, OpenCV, TensorFlow</i> <ul style="list-style-type: none"> Created a real-time Sign language detection system to interpret hand gestures using OpenCV for image processing. Used TensorFlow to train the machine learning model and integrated it with the web cam to detect the character in real time.
05/2024 – 05/2024	Portfolio website <i>Tech Stack: Spring Boot, MySQL, HTML, CSS, JS</i> <ul style="list-style-type: none"> Created my own Portfolio Website for displaying professional information. Implemented modern web design principles to enhance user experience and ensure cross-device compatibility.

CERTIFICATES

Internship Certificate – INTERNPE [22-July-2024 to 18-Aug-2024] <ul style="list-style-type: none"> Completed a structured internship program focused on Java programming. Developed mini-projects and solved programming tasks using Core Java concepts. Strengthened problem-solving skills and understanding of backend logic development in Java. 	Blockchain Technology – GUARDIANS EDTECH [17-feb-2025 to , 20-march-2025] Completed a comprehensive course on Blockchain fundamentals, including smart contracts, Ethereum, and decentralized applications (DApps).
Hackathon Experience Participated in HACK-A-VERSE organized by Computer Engineers Society, Siliguri Institute of Technology, demonstrating skills in team collaboration and real-time project development. Received a certificate of participation. (April, 2025)	

HOBBIES

Cricket/ Badminton <ul style="list-style-type: none"> Passionate about cricket and badminton, regularly participating in local matches and tournaments. These sports have helped build strong team collaboration, focus, and strategic thinking skills. 	Chess <ul style="list-style-type: none"> Chess enhances my strategic thinking and problem-solving abilities, which I apply in coding challenges and project planning. 	Travelling Traveling allows me to explore new cultures and broaden my perspective, which helps in creative thinking and adaptability.
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EDUCATION

09/2022 – 07/2025 Siliguri, India	Bachelor of Computer Applications (BCA) <i>Center For Innovative Studies, University Of North Bengal, West Bengal</i> <ul style="list-style-type: none"> CGPA: 9.2 / 10 Relevant Coursework: Data Structures, OOP in Java, DBMS, Operating Systems, Computer Networks Projects completed as part of curriculum and personal interest
08/2020 – 05/2022 Alipurduar, India	Higher Secondary Education (ISC) <i>STEPPING STONE MODEL SCHOOL</i> <ul style="list-style-type: none"> Stream: Science Percentage: 80%