

Sourabh Sinha

Email- sourabhsinha0510@gmail.com

LinkedIn-<https://linkedin.com/in/sourabh-sinha-7b5a9222a>

Phone- 8797798235

Git hub - <https://github.com/sourabhsinha0510>

Portfolio: <https://digitalportfolio-8cdc.onrender.com>

EDUCATION

Galgotias University

Noida, Uttar Pradesh

Masters of Computer Application

September 2023- July 2025

Mrs KMPM Vocational College

Jamshedpur, Jharkhand

Bachelor of Computer Application

August 2020 – August 2023

SKILLS

- Languages: Asp.Net, Java, JavaScript, Node JS, React JS
 - Technologies: Spring Boot 3, Spring Framework 6, Microservices, Kubernetes, Docker,JWT
 - Databases: Mongo DB, Redis , MySQL , PostgreSQL
-

EXPERIENCE

- Junior Software Developer
Digitide Solutions| Jamshedpur, Jharkhand |
 - Working on ASP.NET / ASP.NET Core to develop and maintain web applications, implementing features, fixing bugs, and improving performance.
 - Collaborating with the team on **API integration, database operations (SQL Server), and UI improvements**, ensuring smooth deployment and quality delivery.
 - Software Developer Intern
International Academy of Computer Training (IACT) | Onsite – Jamshedpur, Jharkhand |
June 2022 – August 2022
 - Designed and developed a Nursing Home Management System using Java and database technologies
 - Engaged in the full software development life cycle, from requirements gathering to deployment.
-

PROJECTS

- **Async System Project**
Asynchronous Task Processing System
 - Built an async system to execute background tasks and improve application responsiveness.
 - Implemented task queue handling, scheduling, and live status tracking (Pending/Running/Completed).
 - Technologies used: Java, Multithreading/Executor Framework, Database (MySQL/MongoDB)

- **Graphical Password Using Image Segmentation**

Web-Based Secure Authentication System

- Developed a graphical password system using image segmentation to enhance login security.
- Led server-side and client-side development for secure user authentication.
- Technologies used: **HTML, CSS, JavaScript, MongoDB, Node.js, Python**

- **Nursing Home Management System (NHMS)**

DBMS-Based Healthcare Protocol

- Led a team in developing a full-stack software solution for patient registration, healthcare professional appointments, and organizational data management.
- Technologies used: **Java (AWT, Swing), JDBC, ODBC, MySQL**

PUBLICATION

- **Conjugation of Graphical Password Using Image Segmentation**

Published in Elsevier SSRN Journal

- Authored and presented a research paper introducing a secure graphical password mechanism based on image segmentation to improve authentication strength and user experience.
- DOI: <https://dx.doi.org/10.2139/ssrn.4997226>

CERTIFICATIONS

- **8th International Conference on Innovative Computing and Communication (ICICC-2025)** – Presented research on graphical password authentication.
- **Big Data Computing** – Completed Certification from **Indian Institute of Technology (IIT) Kanpur**
- **OCA – SE Java Certified Associate – Oracle**