

# Soham Sachin Sonar

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## Objective

Aspiring Software Developer with strong foundations in programming, problem-solving, and full-stack development. Skilled in multiple programming languages, databases, and frameworks with hands-on experience through academic and industrial projects. Seeking an opportunity to apply technical expertise to build scalable and impactful software solutions.

## Educational Qualification

B.E. Computer Engineering | YES

HSC | YES

SSC | YES

## Professional Summary

- Experienced in application development using C, C++, Java, Python, and JavaScript.
- Hands-on expertise in Linux System Programming using C & C++.
- Proficient in algorithm design and optimization.
- Skilled in writing automation scripts in Python.
- Exposure to Machine Learning application design and development.
- Knowledgeable in server-side web development (Java Spring Boot, Python, C#, Node.js).
- Strong understanding of OS internals and system-level concepts.
- Designed and implemented 7+ industry-oriented projects.
- Skilled in RESTful API development, database integration, and cross-platform programming.
- Practical expertise in encryption and system-level security.
- Experience building console-based and GUI-based applications.
- Familiar with Agile & Waterfall SDLC methodologies.
- Active GitHub contributor.
- Strong analytical and problem-solving skills.

## Technical Skills

Programming: C, C++, Python, Java, C# .NET, JavaScript

Technologies: HTML/CSS/JS

IDEs: VS Code, IntelliJ, WebStorm, Sublime

Web Servers: Apache Tomcat 8.0, WebLogic 12c

Database: Oracle, MySQL, MongoDB

Version Control: Git

OS: Windows, Linux

## Technical Projects

## **EduTrack – Classroom & Student Management Portal**

*Tech:* Java, Spring Boot, MongoDB, REST APIs

- Full stack management system for batches and students.
- Implemented CRUD operations with REST APIs.
- Java based client interface.

## **File Packer & Unpacker with Encryption**

*Tech:* Java, Encryption

- File archiving with encryption/decryption.
- Metadata preservation.
- GUI using Swing.

## **Chat Messenger with Log Facility**

*Tech:* Java, Socket Programming

- Peer-to-peer messaging system.
- Chat logs with timestamps.
- Applied TCP/IP concepts.

## **Customised Virtual File System (CVFS)**

*Tech:* C Programming, OS Internals

- Simulated Linux like virtual file system.
- Implemented system calls (open/read/write/seek/delete).
- Understood inodes, file tables, OS design.

## **Generalised Data Structures Library**

*Tech:* C++

- Library of linear & non-linear DS.
- Implemented stacks, queues, linked lists, BST, searching & sorting.

## **Marvellous Study Tracker App**

*Tech:* Java

- Console app to log and summarize study sessions.
- Exported logs to CSV.
- Applied OOP & Collection Framework.

## **Secure File Transfer Simulation**

*Tech:* C, Win32 SDK, DLL, Cryptography

- Implemented Caesar & XOR cipher.
- File I/O using Windows API.
- Packaged logic into DLL.

## **Profiles**

GitHub: [github.com/soham-exe](https://github.com/soham-exe)

LinkedIn: [www.linkedin.com/in/soham-sonar-a98400251](https://www.linkedin.com/in/soham-sonar-a98400251)

## Personal Information

Date of Birth: 9/9/2004

Marital Status: Not Married

Nationality: Indian