



SAHIL CHAURASIYA

B.Tech. - Computer Science & Engineering - SISTec GN

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BRIEF SUMMARY

A detail-oriented Computer Science student skilled in automation workflows, chatbots, backend development, APIs, and data handling. Experienced in identifying manual processes and converting them into efficient automated solutions using Python, Node.js, and modern web technologies. Passionate about building scalable systems, designing intelligent user experiences, and using automation to improve accuracy, reduce repetitive work, and enhance productivity.

KEY EXPERTISE

Socket.io PostgreSQL Next.js Linux Python Django Core Java NodeJS

EDUCATION

Sagar Group of Institutions - SISTec

2022 - 2026

B.Tech. - Computer Science & Engineering - SISTec GN | CGPA: 7.12 / 10

Shri Durga Ji Public School, Azamgarh

2022

12th | CBSE | Percentage: 67.60 / 100

Shri Durga Ji Public School, Azamgarh

2020

10th | CBSE | Percentage: 79.20 / 100

AWARDS AND SCHOLARSHIPS

- Secured First Position in Number Games Season 4 in my college

PROJECTS

Sheetal Academy – Official Website

28 Jul, 2025 - 03 Aug, 2025

Key Skills:

Next.js Tailwind CSS MongoDB JWT Authentication EmailJS Responsive Web Design SEO Optimization

Project Link: <https://sheetal-academy.vercel.app/>

Designed and developed a responsive single-page website for Sheetal Academy (Uran) using Next.js and Tailwind CSS. Features include Hero, Courses, Events, Jobs, and Contact sections; an admin dashboard for managing jobs and events with JWT auth; MongoDB Atlas integration; public event registration with optional email confirmations; mobile-first design; and clean red-white branding. Deployed live via Vercel with SEO optimization.

SISTec Alumni Portal

Mentor: Prof. Nargish Gupta | Team Size: 4

Key Skills: MongoDB Express.js React.js Node.js Socket.io Deployment

Project Link: <http://alumni.sistec.ac.in/>

Led the development team to build a full stack social platform for SISTec students, alumni, and admins, featuring dedicated sections for posts, discussion forums, events, real-time messaging, and job opportunities. Enables seamless campus communication, alumni interaction, and event engagement. Secure login, responsive UI, and live deployment on the official subdomain.

Menu-Driven Data Structures Library

Mentor: Dr. Nargish Gupta | Team Size: 1

Key Skills: C++ Data Structures DSA

Project Link: <https://onlinegdb.com/Gvhd1I31a>

Developed a C++ console-based application implementing core data structures (Array, Stack, Queue, Linked List, Tree, Graph) with a menu-driven interface. Each module supported insertion, deletion, traversal, and search operations. Focused on modular coding and dynamic memory management.

AI-Based Museum Ticket Booking Automation System

Mentor: Dr. Bhavna Gupta | Team Size: 6

Key Skills: Streamlit MonsterAPI Python

Project Link: https://drive.google.com/drive/folders/1rKAP7_7-eeY-zJDn7uR2JqZKtF89MzVx?usp=drive_link

Built an intelligent chatbot that automated the entire ticket booking workflow.

Integrated chat + booking flow, reduced multiple manual steps into a single automated pipeline.

Implemented structured user input capture, automated pricing, and ticket generation.

Java Data Structures Desktop Application

Team Size: 1

Key Skills: Java Java Swing OOPs DSA

Designed and developed an interactive desktop application in Java with a GUI-based menu system for performing operations on core data structures such as Array, Stack, Queue, Linked List, Tree, and Graph. Implemented insertion, deletion, traversal, and search methods using OOP principles and modular components. The interface allowed users to visualize operations dynamically instead of running code on a console. Included error handling, input validation, and local file-based state persistence. Built and executed entirely using Eclipse.

ACHIEVEMENTS

- Java Skill Test Certification – HackerRank
- Gold Badge for Problem Solving on CodeChef
- Five Star Badges in Java and Python on HackerRank
- Five Star Badges in Java, C++ and Python on HackerEarth

ASSESSMENTS / CERTIFICATIONS

Tools of Trade: Linux and SQL

Key Skills: SQL Linux

This course, offered by Google through Coursera, introduced fundamental tools for tech professionals including Linux command-line operations and SQL database queries. Learners gained hands-on experience with shell scripting, file and process management, and writing efficient SQL queries for data manipulation and analysis. It is part of the Google IT Automation with Python Certificate.

The Joy of Computing using Python

Key Skills:

Python Programming Problem Solving Computational Thinking Algorithms Data Structures Visualization
Turtle Graphics

This NPTEL certification introduced core concepts of Python programming and computational thinking. Topics included flowcharts, loops, strings, functions, data structures, and visualization with Turtle and Python libraries. Emphasis was on practical coding and problem-solving through weekly assignments and online judge problems.

Java (Basic)

Key Skills:

Java Programming Loops and Conditionals Functions Object-Oriented Programming Data Types Debugging
Problem Solving

This certification from HackerRank assessed fundamental Java programming skills including data types, functions, control structures, and object-oriented programming. It validated proficiency in core Java concepts through practical coding challenges.

SQL (Basic)

Key Skills: SQL Queries SELECT Statements Joins Aggregations Subqueries Data Filtering

This certification from HackerRank assessed knowledge in core SQL concepts such as writing queries, filtering data, using joins, subqueries, and aggregation functions. It validated problem-solving ability using real-world SQL tasks.

EXTRA CURRICULAR ACTIVITIES

- Certification in Climate Change and Human Rights – Amnesty International
- Participated in Smart India Hackathon
- Selected as Class Representative

WEB LINKS

- Github - <https://github.com/sahil-chaurasiya>
- Codechef - <https://www.codechef.com/users/sahil73>

- Other - <https://www.hackerrank.com/profile/chaursiyasahil1>
- Other - <https://www.hackerearth.com/@chaursiyasahil18/>
- Personal - <https://portfolio-next-eight-rose.vercel.app/>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Sagar Institute of Science and Technology,
Gandhinagar, Bhopal, Madhya Pradesh, India - 462036

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Date of Birth: 01 Jul, 2004

Known Languages: English & Hindi

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