

# SHIVAM RAO

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## Career Objective

Computer Science student with a strong background in core computer science concepts like operating systems and computer networks, data structures, software development and programming. Eager to contribute to practical projects that solve real world problems in a team setting by using technical expertise and problem-solving mentality. Looking for chances to advance as a software engineer while producing significant solutions that support corporate objectives and the welfare of the society as a whole. Passionate about learning new skills and embracing innovative ideas. Demonstrates strong focus on tasks at hand and strives to thoroughly understand concepts. Interested in exploring emerging technologies like machine learning, cloud computing and continuously seeks ways to improve.

## Education

**Pranveer Singh Institute of Technology, Kanpur**

**Oct 2023 - June 2027**

*Bachelor of Technology in Computer Science and Engineering [CGPA: 8.28 (Till Present)]*

*Kanpur, India*

**Kendriya Vidyalaya No.1**

**Apr 2022 - Mar 2023**

*Senior Secondary (Class XII), CBSE Board [Percentage: 89]*

*Armapur Estate Kanpur Nagar, India*

## Technical Skills

**Languages:** Python, C, C++

**Concepts:** Data Structures, Algorithms, OOP, DBMS, Software Design, IoT, Embedded Systems, Cloud Computing

**Database:** MySQL, MongoDB

**Tools:** Git, VS Code, Linux, Postman, AWS, Raspberry Pi

## Experience

**Virtual Internship – Infosys Springboard**

**Aug 2025 – Present**

*Intern*

*Remote*

- Gained exposure to software development methodologies, cloud services, and project collaboration using industry tools.
- Worked on guided projects enhancing problem-solving and coding skills in Python.

## PROJECTS

**Home Automation** | *Python, RaspberryPi, IoT, Git* |

**June 2025**

- Developed a home automation system using sensors, voice commands, and Python to control lights and appliances.
- Integrated motion detection and voice recognition for intelligent operation, with future plans for camera-based facial recognition.

**Password Manager** | *Python, Tkinter, Cryptography* | [🔗](#)

**Nov 2024**

- Built a desktop password manager using Python and Tkinter to securely store, generate, and manage user credentials. Implemented encryption for data protection and a simple GUI for intuitive access and usability.

**Academia Access** | *HTML, CSS, JS, Git* | [🔗](#)

**Oct 2024**

- Developed a web platform to provide students and educators access to notes, solved papers, e-books, and a doubt-solving forum. Enabled user contributions to promote collaborative learning and resource sharing across academic communities.

## ACHIEVEMENTS

- Successfully qualified for Round 2 of the Adobe India Hackathon 2025, focusing on AI-powered intelligent document understanding and semantic linking. [🔗](#)
- Led a team of 3 pupils and secured 1st position in the Code and Stack event during Ignitia 2k25. [🔗](#)
- Solved 250+ problems on LeetCode and a competitive rating of 1500+. [🔗](#)
- Earned 5 stars in problem solving, 5 stars in Python, and 5 stars in C on HackerRank, demonstrating strong algorithmic and coding proficiency. [🔗](#)

## CERTIFICATION

- AWS Cloud Practitioner Essentials - AWS (Completed July 2025) [🔗](#)
- Deloitte Technology Job Simulation – Forage (Completed July 2025) [🔗](#)
- Programming in Modern C++ - NPTEL (Completed Nov 2024) [🔗](#)