

SHIVAM RAO

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Career Objective

Computer Science student skilled in data structures, OS, and software development. Seeking a software engineering role to apply collaborative problem-solving to impactful projects and expand into machine learning and cloud technologies.

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, PostgreSQL

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) [🔗](#)