

# Ishita Modi

Kanpur, Uttar Pradesh, India

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## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, HTML5, CSS3, JavaScript

**Frameworks, Libraries & Tools:** NumPy, Pandas, Matplotlib, Machine Learning, VS Code, Git/GitHub, MS Office, OpenCV

**Databases & Backend:** SQLite3, PostgreSQL, MySQL

**Concepts & Domains:** Data Acquisition & Processing, Data Analysis & Visualization

**Soft Skills & Management:** Effective Communication, Team Collaboration, Problem Solving, Time Management, Fast Learner, Critical Thinking, Work Ethic, Presentation Skills, Leadership

## RELEVANT COURSEWORK

- Data Structures & Algorithms
- OOPs Concept (*Python*)
- Operating System and Computer Networks
- Database Management Systems
- System Design
- Software Engineering

## EXPERIENCE

### Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage - August 2025

- Completed a simulation involving creating data visualizations for Tata Consultancy Services
- Prepared questions for a meeting with client senior leadership
- Created visuals for data analysis to help executives with effective decision making

## PROJECTS

### Library Management System – [GitHub](#)

Developed a modular command-line based Library Management System using Python and SQLite to manage books, user registrations (students/teachers), and transaction logs. Integrated features like search, borrow/return tracking, and availability status, ensuring efficient library operations without external dependencies.

**Tech Stack:** Python, SQLite, Command-Line Interface (CLI)

### Contact Management System – [GitHub](#)

Built a modular CLI contact management system with role-based access (Admin/Guest), supporting CRUD operations, search, and CSV export for efficiently managing 500+ contacts using Python and SQLite.

**Tech Stack:** Python, SQLite, CSV, Command-Line Interface (CLI)

### Smart Glasses for Visually Impaired People – (Present)

A planned project to develop AI-powered smart glasses that assist visually impaired individuals. Built on a Raspberry Pi, the device will use computer vision to provide object detection, real-time obstacle alerts, and voice-guided navigation. It will also feature text-to-speech (TTS) technology to read printed content aloud, enhancing user independence and safety.

**Tech Stack:** Raspberry Pi, Python, OpenCV, Ultrasonic Sensor, Pi Camera, Speech Recognition, AI/ML, IoT.

## Achievements

**District Badminton:** Learned how to stay focused and composed in a competitive, high pressure environment.

**Inter-College Basketball (Teamwork):** Led the team of 6 Members to the 1st Position

**Inter-School Debate Participation**

**Leet code** – 130+ Problems Solved **Code360 by Coding Ninja** – Gold Badged (Top 10%)

**Geeks for Geeks** - Under 1000 Rank (Intercollege) **Hacker rank**- 5 Star in Problem Solving

## EDUCATION

### Pranveer Singh Institute of Technology (PSIT)

2022 – 2026

B. Tech – CSE - Internet Of Things [CS-IOT] – **73%** (Till 6th Semester)

Kanpur, Uttar Pradesh

### St. John's School

2022

CBSE Board - Intermediate – **85.2%**

Firozabad, Uttar Pradesh

### St. John's School

2020

CBSE Board - Matriculation – **89.67%**

Firozabad, Uttar Pradesh

## LANGUAGES

- English (*Professional*) - Hindi (*Native*)