

# Akshita Saxena

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## Education

<b>Vellore Institute of Technology, Bhopal</b> <i>Bachelor of Technology in Computer Science</i>	Expected May 2026 GPA: 9.10
<b>Vindhyachal Academy</b> <i>Class XII (Senior Secondary)</i>	2022 95%
<b>Vindhyachal Academy</b> <i>Class X (Secondary)</i>	2020 91.8%

## Technical Skills

**Languages:** C, C++, Python, HTML, CSS, MySQL  
**Developer Tools :** VS Code, Jupyter Notebook, Github, Google Colab  
**Technologies:** pandas, PyQt5, NLP, Flask

## Projects

### **Eradiket** | Python, Algorithms, Cybersecurity, Project Management, UI/UX, PyQt, Cryptography

- Comprehensive one-stop solution for data privacy needs with advanced security features and intuitive user interface
- Secure encryption and decryption system using AES and RSA cryptographic algorithms for maximum protection
- Advanced file deletion functionality with secure wiping ensuring complete data confidentiality and unauthorized access prevention

### **Cascade - GenAI Powered Study Companion** | Python, PyQt, UI/UX, ML, SQL

- Intelligent AI-powered study companion analyzing individual learning patterns and preferences for personalized study plan creation
- Advanced machine learning algorithms generating adaptive study schedules tailored to unique user needs and requirements
- Comprehensive progress tracking system with SQL database integration providing detailed performance analytics and learning insights

### **VastraVerse** | Python, Flask, HTML, CSS, JavaScript, Stable Diffusion, ControlNet, Gemini API

- Comprehensive AI-driven cultural platform integrating advanced computer vision and NLP technologies for heritage awareness promotion among modern users
- Sophisticated Virtual Try-On system utilizing Stable Diffusion and ControlNet for personalized traditional attire visualization through high-quality image uploads
- Intelligent Cultural Chatbot powered by Gemini API achieving 96% response accuracy through advanced NLP-based intent parsing and real-time query handling
- Robust modular Flask backend architecture with secure RESTful APIs and responsive interactive HTML/CSS/JavaScript frontend ensuring seamless user experience
- Culturally immersive, AI-powered platform successfully revitalizing heritage awareness through innovative virtual interaction and reliable educational guidance systems

## Achievements

- Semi-finalist in Bharat Gen-AI Hackathon. Developed innovative AI solution addressing real-world problem using generative AI technologies

## Co-Curricular Activities

<b>Fintech Club - VIT Bhopal University</b> <i>Core Team Member (Event Management)</i>	Jan 2022 – Apr 2024 Bhopal, Madhya Pradesh
<ul style="list-style-type: none"><li>• Led the organization and execution of finance-related events, including workshops and guest sessions</li><li>• Provided guidance and support to new members, helping them integrate into the club environment</li></ul>	