

# 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 <b>GPA: 9.10</b>
<b>Vindhyachal Academy</b> <i>Class XII (Senior Secondary)</i>	2021 <b>91.8%</b>
<b>Vindhyachal Academy</b> <i>Class X (Secondary)</i>	2019 <b>95%</b>

## Technical Skills

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

## 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
- Certification :IBM Cyber Security Analyst**

## Co-Curricular Activities

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| <b>Fintech Club - VIT Bhopal University</b><br><i>Core Team Member (Event Management)</i> | Nov 2022 – Apr 2024<br><i>Bhopal, Madhya Pradesh</i> |
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- Led the organization and execution of finance-related events, including workshops and guest sessions
  - Provided guidance and support to new members, helping them integrate into the club environment