Akshita Saxena

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Education

Vellore Institute of Technology, Bhopal   Expected May 2026
Bachelor of Technology in Computer Science   *Bhopal, Madhya Pradesh*
- **CGPA** 8.99

Experience

Fintech Club -VIT Bhopal University   Jan 2022 – April 2024
Core Team Member (Event Management Department)   *Bhopal , Madhya Pradesh*
- Led the organization and execution of finance-related events, including workshops, guest speaker sessions, ensuring all events ran smoothly and met club objectives.
- Worked closely with other core members to plan events, coordinate logistics, and manage promotional activities, fostering a collaborative team environment.
- Provided guidance and support to new members, helping them integrate into the club and encouraging their active participation in events and initiatives.

Projects

Eradiket | *Python, Algorithms, Cybersecurity, Project Management, UI/UX, PyQt, Cryptography*
- Eradiket is a one-stop solution for all of your data privacy needs.
- You can securely encrypt and decrypt with advanced algorithms.
- Also delete your files, ensuring your sensitive data remains confidential and away from prying eyes.

Cascade - GenAI Powered Study Companion | *Python, PyQt, UI/UX, ML, SQL*
- Developed software that serves as a practical study companion by analyzing individual learning patterns, preferences, and exam schedules to create tailored study plans.
- Generate personalized study plans that cater to the unique needs of each user, ensuring an effective and efficient learning process.
- Empower users with a tool that offers a step-by-step guide for effective learning, helping them achieve their academic goals.

VastraVerse | *Python, Flask, HTML, CSS, JavaScript, Stable Diffusion, ControlNet, Gemini API*
- Engineered an AI-driven cultural platform integrating computer vision and NLP to promote heritage awareness among modern users.
- Implemented Virtual Try-On using Stable Diffusion and ControlNet for personalized traditional attire visualization based on uploaded images.
- Built a Cultural Chatbot using Gemini API, achieving 96% response accuracy through NLP-based intent parsing and real-time query handling.
- Developed a modular Flask backend with RESTful APIs and an interactive frontend using HTML/CSS/JavaScript for seamless UX.
- Result: A culturally immersive, AI-powered platform that revitalizes heritage awareness among modern users through virtual interaction and reliable guidance.

Technical Skills

Languages:C, C++, Python , HTML, CSS, MySql
Developer Tools : VS Code, Jupyter Notebook, Github
Technologies:pandas, PyQt5, NLP,

Certifications

Cloud ComputingApril 2024NPTEL
- Certified in Cloud Computing with comprehensive knowledge of cloud architecture, services, and theoretical frameworks

Achievements

- Earned Elite+Silver Certificate with a score of 81 percent in NPTEL's Cloud Computing course conducted by IIT Kharagpur through the SWAYAM portal.