

Sanghmitra

📁 Portfolio | ✉ Gmail | 📞 (+91)7906453576 | in SANGHMITRA. | 🌐 Sanghmitra12 | 🎓 Microsoft Learn

Summary

Enthusiastic and security-conscious 2nd-year Computer Science student with expertise in front-end development, cybersecurity, and open-source contributions. Passionate about secure coding practices and maintaining a cyber-secure digital mindset. Skilled in HTML, CSS, JavaScript, Python, C++, Agile methodologies, and cybersecurity principles. Experienced in automation, threat detection, and secure software development. Actively contributing to open-source projects and seeking opportunities to apply technical and security skills in innovative, high-impact projects.

Education

Gautam Buddha University , B.Tech in Computer Science and Engineering	July 2023 – June 2027
Saraswati Vidya Mandir Inter College	
• Class XII: CGPA 8.9	April 2022 – March 2023
• Class X: CGPA 9.0	April 2021– March 2022

Technical Skills

Languages: C++, C, HTML, CSS, JavaScript, SQL, Python, Java

Software & Tools: Git & GitHub, VS Code, Jupiter Notebook, Microsoft Excel, Canva, ChatGpt, Grok, Blackbox AI, Gamma

Cloud Platforms & MLOps: Microsoft Azure, Google Cloud Platform, Amazon Web Services

Work Experience

Campus Ambassador, GSSoC'24 October 2024 - Jan 2025

- Led strategic partnerships with 10+ campus organizations, driving a 25% increase in event participation and fostering a strong open-source community.

- Executed targeted outreach and marketing campaigns in collaboration with the GSSoC team, boosting awareness of open-source contributions and increasing developer engagement.

GSSoc'24 Contributor October 2024 - Jan 2025

- Collaborate on open-source projects, contributing to codebases, and resolving issues on GitHub.
- Strengthened technical proficiency in Git and web technologies through real-world problem-solving.

GBU Internship dec 2024 - present

- Developed and enhanced front-end features using HTML, CSS, and JavaScript to improve user experience
- Managed version control and collaborated on projects using GitHub, ensuring efficient code management and teamwork.

AICTE IBM Internship Jan 2025 - Mar 2025

- Developed and implemented security measures to enhance data confidentiality and automate threat detection using AI and machine learning.
- Applied Cybersecurity skills to real-world projects, including secure data hiding using steganography and AI-powered chatbot implementation.

CyberGyan Internship Dec 2024 - Feb 2025

- Successfully completed 21 cybersecurity quizzes, hands-on labs, and real-world exercises, gaining practical experience in security tools and tech
- Implemented Nginx as a reverse proxy for Apache web server integration, enhancing load balancing, caching, and request handling to significantly boost server performance and resource efficiency.

Amazon Wow Oct 2023 - Present

- Gained proficiency in using Amazon's internal tools for performance tracking and process optimization.
- Enhanced communication and collaboration skills through team-based learning activities.

Projects

E-Commerce Web | Tools Used: HTML, CSS GitHub Link

- Designed a responsive front-end application, improving user interaction.
- Created multiple sections including navigation, product listings, and promotional banners to provide a complete shopping experience.

ChatBot using NLP | Tools Used: Python GitHub Link

- Developed and deployed a chatbot using Natural Language Processing (NLP) techniques, enhancing user interaction and automating responses as part of the AICTE Cycle 4 training.
- Implemented NLP algorithms and machine learning models to analyze text data, achieving improved response accuracy and reducing response time.

Jarvis Voice Assistant | Tools Used: Python GitHub Link

- Built a local machine-based voice assistant inspired by Marvel's JARVIS, integrating facial authentication for secure access, hot-word detection for activation, and speech-to-text conversion for seamless interaction.
- Enhanced functionality by leveraging Hugging Face for intelligent chatbot responses, OpenCV for facial recognition, and PyWhatKit for WhatsApp messaging, enabling website navigation, application control, YouTube video playback, and phone call initiation.

ADDITIONAL INFORMATION

Certifications: MicroSoft Certified: Microsoft Security, Compliance, and Identity Fundamentals, IBM SkillsBuild: Web Development Fundamentals, Cybersecurity Fundamentals, HackerRank: CSS (Basic), SQL (Basic), LinkedIn Learning: The Cyber Security Threat Landscape course completion, What is Generative AI course completion, Geeksforgeeks: 4-week course on IOS development for beginners