

# Krishna Tripathi

B.Tech in Cyber Security, Pranveer Singh Institute of Technology, Kanpur  
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## Professional Summary

Cyber Security undergraduate with hands-on experience in Python development, NLP-based tools, and real-time object detection. Skilled in automation, cloud services (AWS, GCP), and digital marketing. Passionate about open-source contributions and building secure, scalable solutions.

## Education

<b>Pranveer Singh Institute of Technology, Kanpur</b>	2023 – 2027
B.Tech in Cyber Security	CGPA: 7.7

## Experience

<b>Python Development Intern</b> , Cognifyz Technologies (Remote)	Jun 2024 – Jul 2024
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- Built an NLP-based Text Summarizer using NLTK and regex, improving processing time by 30%.
- Implemented keyword extraction and sentence ranking for summary generation.

<b>Python Development Intern</b> , Code Clause (Remote)	Aug 2024 – Sep 2024
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- Developed data automation scripts reducing manual effort by 25%.
- Optimized and maintained Python-based automation tools.

<b>Social Media Marketing Intern</b> , Magniit Technologies (Remote)	Jun 2024 – Jul 2024
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- Executed digital campaigns leading to a 20% boost in student engagement.
- Analyzed insights to refine strategy through A/B testing.

## Projects

<b>MoodMelody – Emotion-Based Music Player</b>	2024
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GitHub Link

Created a Python-based music player that detects user emotion and plays songs accordingly using facial recognition and sentiment analysis.

<b>YOLOv8 Real-Time Object Detection</b>	2024
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GitHub Link

Built a real-time object detection system using YOLOv8 and OpenCV, optimized for edge devices.

<b>Talking Skeleton Model (In Progress)</b>	2025
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GitHub Link

Created an AI-powered 3D character using Blender, Unity, Whisper, ChatGPT, and ElevenLabs.

## Certifications

Python Internship – Cognifyz (Jul 2024)

Python Programming – CodeSoft (Aug 2024)

Google Arcade 2024 – Phase II (Mar 2024)

AWS Cloud 101 – AWS Educate (Apr 2024)

Scientific Computing with Python – FCC (Jun 2024)

Cloud Security Fundamentals – Google Cloud (Jul 2024)

Positions of Responsibility

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<b>Lead Graphic Designer</b> , FOSS Kanpur 2025	Jan 2025 – Present
Designed visual assets and branding, increasing turnout by 15%.	
<b>Core Team Member</b> , FOSS United Kanpur	Dec 2024 – Present
Mentored contributors and helped organize local open-source events.	

Technical Skills

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**Languages:** Python, C, C++, Go (beginner), HTML, CSS, JavaScript  
**Frameworks:** NLTK, TensorFlow (basic), Flask  
**Tools:** Git, Vim, Blender, Unity, AWS, Google Cloud  
**Concepts:** NLP, Cybersecurity, Automation, Cloud Security  
**Platforms:** Linux, Windows

Achievements & Interests

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Completed Google Arcade Phase II, certified in multiple cloud and Python programs, and led major community design efforts. Interests include open-source, AI/ML, 3D modeling, and cybersecurity challenges.