Q- Introduce yourself

Good Afternoon Sir,
I am Nishant Goel, pursuing an MSc in Computer Science at Gautam Buddha University, with a keen interest in AI and its real-world applications. I am excited to contribute to the Indian Army Internship Program 2025.

One of my key projects includes developing an AI-powered multilingual question-answering system using mBART and LLaMA, designed to handle code-mixed inputs. This has strengthened my expertise in machine learning, NLP, and multilingual data processing—skills that are essential for defense communication.

Currently, I am interning at Unicloud, where I am working on AI agents for workflow automation. Additionally, I am involved in projects related to anomaly detection and vehicle detection using computer vision techniques, focusing on real-time monitoring and pattern recognition.

I am particularly interested in how AI can support the Army in areas like decision support, surveillance, and strategic planning. I am adaptable, a quick learner, and eager to apply my skills while gaining valuable experience from esteemed mentors.

Thank you for the opportunity.

Q- Why you choose India Army?

I want to join the Indian Army Internship Program because it offers a unique opportunity to experience the values, discipline, and leadership that define one of the world's most respected institutions. I am eager to contribute my skills while learning about the Army's multifaceted roles—not just in defense, but also in nation-building, disaster relief, and community service. This program will allow me to challenge myself physically and mentally, develop resilience, and gain a deeper understanding of teamwork, integrity, and dedication to the nation. I believe the exposure will help me grow both personally and professionally, and inspire me to uphold the ideals of service and responsibility in my future career.

Q- how you utlize Ai in defence?

The role of **Artificial Intelligence (AI)** and **Machine Learning (ML)** in defense systems is becoming increasingly critical as militaries and defense organizations seek to enhance their capabilities in both strategic and tactical operations.
Like:_

1) Anomaly detection systems flag unusual patterns
2) Vehicle detection
3) **Image and video analysis**

4) **Unmanned Aerial Vehicles (UAVs)** and **Unmanned Ground Vehicles (UGVs)** are equipped with AI for autonomous navigation and targeting. And many more.

Q- How would you apply your skills to solve real-world military problems?

 Problem Understanding: Collaborate with military stakeholders to deeply understand mission-critical challenges.

 Data Handling: Set up robust pipelines for collecting, cleaning, and securing sensitive data.

 Model Design: Choose or build AI/ML models that are reliable, interpretable, and resilient to adversarial attacks.

 Integration: Develop easy-to-use interfaces for soldiers, commanders, and technical teams.

 Testing & Validation: Conduct rigorous simulations and field tests to validate the system under diverse, real-world conditions.

 Continuous Improvement: Implement feedback loops to refine AI systems based on user input and new data.