

**Krishna Tyagi**

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Dear Hiring Manager,

I am a third-year undergraduate student pursuing a B.Tech in Information Technology from Bhagwan Parshuram Institute of Technology. With a strong academic record and hands-on experience in machine learning, full-stack development, and AI applications, I am seeking an opportunity to contribute meaningfully to a technology-driven organization.

My recent internship at the Defence Research and Development Organisation allowed me to work on the Weapon Target Allocation Problem, where I built a configurable combat simulation system and designed a heuristic algorithm that achieved a target neutralization rate exceeding 85 percent. I also created a functional web interface to support scenario customization and live result analysis.

In addition to this, I have independently built projects such as a fire and smoke detection system using YOLOv8 and OpenCV, and a Retrieval-Augmented Generation chatbot powered by Gemini API and LangChain. These projects demonstrate my ability to apply theory to real-world use cases, integrate different tools, and write clean, modular code. I am proficient in Python, C++, TensorFlow, PyTorch, Flask, and various cloud and deployment tools including AWS and Streamlit.

I have solved over 400 DSA problems on platforms like Leetcode and Coding Ninjas and hold the Reliance Foundation Undergraduate Scholarship, awarded to the top 5,000 students nationwide. I am confident that my skills, drive to learn, and ability to take initiative will allow me to contribute effectively to your team.

Thank you for considering my application. I look forward to any opportunity to contribute and grow within your organization.

Sincerely,

**Krishna Tyagi**