

# Rohan Kumar

B.Tech in Computer Science (Artificial Intelligence)  
Pranveer Singh Institute of Technology, Kanpur

+91-7275669018  
2k22.csai.2212823@gmail.com  
github.com/rohan727566  
linkedin.com/in/rohan-kumar-807980207

## CAREER OBJECTIVE

Aspiring **AI Engineer / Machine Learning Engineer** with strong foundations in **Deep Learning, Computer Vision, NLP, and Data Science**. Proficient in building **end-to-end ML pipelines**, optimizing models for performance, and deploying AI-driven applications. Seeking opportunities to apply technical expertise to design scalable, production-ready AI/ML solutions with measurable business impact.

## EDUCATION

- B.Tech in Computer Science (Artificial Intelligence)** *Percentage: 71.91% (till 6th sem)*  
*Pranveer Singh Institute of Technology, Kanpur* 2022 – 2026
- Senior Secondary (XII) - CBSE**  
*Percentage: 81.0%* 2021
- Secondary (X) - CBSE**  
*Percentage: 88.83%* 2019

## PROJECTS

- Real-Time Object Detection** *Feb 2024*
  - Developed an object detection system using **YOLO, OpenCV, CUDA**, and **TensorRT** on NVIDIA GPU.
  - Achieved **92% detection accuracy** with real-time inference at **30+ FPS**, enabling live video stream analysis.
- Spam/Ham Classification using NLP** *May 2024*
  - Built an **email/text classifier** using **NLTK, Pandas, NumPy**, and **TF-IDF**.
  - Improved classification performance to **96% accuracy**, tested on 5k+ messages.
- Image Classifier using CNN (CIFAR-10)** *Ongoing, 2025*
  - Designing deep learning CNN model using **TensorFlow** and **Keras** for CIFAR-10 dataset.
  - Currently achieving **82% accuracy**, with ongoing optimization for model generalization.

## EXPERIENCE & TRAINING

- AI Corporate Training (Acmegrade)** *Online* 2024
  - Completed industry-focused training in **AI, Machine Learning, and Data Science**.
  - Implemented an NLP-based **Spam/Ham Classifier** with **96% accuracy**, simulating real-world deployment.
  - Gained exposure to **MLOps practices**, model deployment, and API-based integration.

## TECHNICAL SKILLS

**Languages:** C++, Python, SQL, JavaScript  
**Core CS:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems  
**Libraries/Frameworks:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, OpenCV, YOLO, EasyOCR, ReactJS, NextJS  
**Tools/Platforms:** Git, Jupyter Notebook, Google Colab, VS Code, Salesforce Trailhead, Windows, Linux  
**Concepts:** Deep Learning, Natural Language Processing, Computer Vision, Model Optimization, MLOps

## CERTIFICATIONS

- Acmegrade Corporate Training:** Artificial Intelligence Program, 2024
- Infosys Springboard:** Python (1,2), HTML Certification
- IBM:** Fundamentals in Artificial Intelligence, 2025
- Salesforce Trailhead:** Agentblazer Champion in AI Fundamentals (37 Badges, 10,875 Points)  
Trailhead Profile

## ACHIEVEMENTS

- Competitive Programming:** Solved **200+ problems on LeetCode, Grand Master League** in Code360 (Top 5% of participants).
- Awards:** Winner of NIIT NGURU Excellence Award (2015-16, 2016-17); District Rank 133 in Bhartiya Sanskriti Gyan Pariksha.