

Rohan Kumar

B.Tech in Computer Science (Artificial Intelligence)
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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

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

PROJECTS

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| • Real-Time Object Detection – 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. | Feb 2024 |
| • Spam/Ham Classification using NLP – Built an email/text classifier using NLTK, Pandas, NumPy, and TF-IDF. – Improved classification performance to 96% accuracy, tested on 5k+ messages. | May 2024 |
| • Image Classifier using CNN (CIFAR-10) – Designing deep learning CNN model using TensorFlow and Keras for CIFAR-10 dataset. – Currently achieving 82% accuracy, with ongoing optimization for model generalization. | Ongoing, 2025 |

EXPERIENCE & TRAINING

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| • AI Corporate Training (Acmegrade) <i>Online</i> – 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. | 2024 |
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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

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| • 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

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| • 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. |