

NIROJ KOIRALA

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Personal Summary

Driven by a strong academic background, I excelled as a Research Scholar at CUNY, CIRE, where I spearheaded the development of a Smart Traffic Control model using machine learning, significantly enhancing traffic flow efficiency. My tenure as a Tech Incubator Intern honed my teamwork and project management skills, underpinning my ability to deliver impactful research and analysis.

Skills

- Strong academic record
- Problem solving
- Project Management
- Teamwork and collaboration
- Computer Skills
- Administrative tasks
- Research and analysis
- Scientific writing
- Undergraduate research

Experience

Research Scholar CUNY, CIRE	09/2024 to Current New York, NY
<ul style="list-style-type: none">• Built a data-driven Smart Traffic Control model, leveraging machine learning to reduce congestion.• Collected extensive real-time data from multiple sensors, identifying traffic patterns for predictive adjustments.• Developed and validated predictive analytics models to optimize signal timings and improve traffic flow.• Presented findings and recommendations to stakeholders, leading to further research and pilot support.	
Tech Incubator Intern Queens College	07/2024 to 09/2024 Queens, NY
<ul style="list-style-type: none">• Assisted in the development of marketing materials, such as brochures, flyers, and promotional items.• Gathered data for market research projects and analyzed findings to make recommendations.• Collaborated with team members to create a comprehensive social media strategy.• Organized information from multiple sources into accessible formats for easy retrieval.	

Education

Bachelor of Science York College of The City University of New York	Expected in 06/2025 Jamaica, NY
<ul style="list-style-type: none">• Minor in: Business Administration• Dean's List throughout the College• Recipient of National Science Foundation Scholarship• 3.85 GPA• Worked as a Student Mentor• Intern as Tech Incubator	
Associate of Science LaGuardia Community College of The City University of New York	06/2023 Long Island City, NY
<ul style="list-style-type: none">• Dean's List throughout College.• Phi Tetta Kappa Honor Recipient• Recipient of LAGCC foundation Scholarship• 3.89 GPA• Represented College in NJCAA soccer Tournament{2022}• 2nd Rank in Intra college Table- tennis Tournament.• Research:{ Urban Development and its Challenges}	