Raja Kumar Raut

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LinkedIn — GitHub

Objective

Aspiring AI/ML engineer passionate about building impactful and user-first AI applications. Skilled in data analysis, computer vision, and real-time systems. Currently working on research with IIT Delhi professors.

Education

Guru Tegh Bahadur 4th Centenary College, Delhi
Bachelor of Technology in Computer Science and Engineering (AI/ML)
Aug 2023 – Present
Current CGPA: 9.2 / 10

Skills

Languages: Python, C++, SQL
Technologies: AI/ML, Data Analysis, OpenCV, TensorFlow, YOLO, Pandas, NumPy
Tools: Git, GitHub, VS Code, Jupyter
Soft Skills: Leadership, Communication, Problem Solving, Time Management

Projects

Natural Farming Intelligence System (FIELD) — Crop Analysis
Conducted accuracy testing and data analysis for crop prediction and environmental insights.

Aerial Navigation System for Navy (Lost & Learned)
Designed navigation tool for aerial object tracking; although not deployed, gained deep insights in defense systems and real-time data flow.

AI-Powered Hand Sign Translator
Built a tool for real-time gesture-to-text translation for differently-abled individuals using TensorFlow and OpenCV.

Weather Monitoring System (NSUT Hackathon)
Developed a system to predict weather patterns from environmental data. Recognized for detailed data analysis despite project constraints.

Leadership

President – Shutter Fly Media Community
President – Beyond Classroom Podcast
Leading college-level media and public initiatives. Managing technical, editorial, and outreach activities.

Former Designing President – Shutter Fly
Directed visual and design strategy for major events.

Research & Hackathons

Research (Ongoing) – Collaborating with IIT Delhi Professors (Confidential topics)
Hackathons: Participated in 5+ events including NSUT Hackathon, Microsoft Ideathon, GirlScript Summer of Code