

# NETRANSHI TRIPATHI

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

## EDUCATION

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### RAJKIYA ENGINEERING COLLEGE

Bachelor of Technology In Electronics Engineering  
Cumulative GPA: 7.6/10

Expected May 2026

### NLK VIDYA MANDIR INTER COLLEGE

Intermediate  
Aggregate: 80%

2021-22

## WORK EXPERIENCE

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### RAJKIYA ENGINEERING COLLEGE

Web Developer Intern

- Designed and developed the official college website, increasing online presence by 50% and user engagement by 30%
- Built responsive web pages with a mobile-first approach, ensuring seamless functionality across devices and browsers
- Engineered robust backend functionality using Python and Django, streamlining data management and processing for optimal performance
- Optimized website performance by 30% through strategic front-end and back-end development

## UNIVERSITY PROJECTS

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### IMAGE DENOISING

[Github](#)

- Developed an image denoising project in Python, leveraging matplotlib and scikit-image for processing and visualization.
- Achieved a highest PSNR of 27.66 dB with VisuShrink, demonstrating superior noise reduction capabilities.
- Analyzed and compared denoising algorithms using PSNR, and applied effective signal processing and thresholding techniques.

### WAVELET-BASED EDGE DETECTION SYSTEM

[Github](#)

- Developed a robust edge detection system in Python using Spyder, leveraging multi-level wavelet transforms for enhanced accuracy.
- Implemented and visualized edge detection algorithms using matplotlib and other libraries.
- Applied wavelet transforms at various levels to improve edge detection precision.
- Conducted comprehensive evaluations to assess the effectiveness of edge detection techniques.

## TECHNICAL SKILLS AND CERTIFICATION

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**Programming:** C, C++, Python, MatLab

**Web Development:** HTML, CSS, Django, GitHub

**Certification:** 5 stars C++ and 5 stars Python on Hackerrank

## ACHIEVEMENTS

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- Achieved 5 stars in Python programming 5 stars in problem-solving on Hackerrank
- Successfully solved over 100+ problems on LeetCode.
- Successfully solved over 75+ problems on GeeksforGeeks.
- Winner in College Hackathon
- Member of **IEEE**.