

# Rajnish Kumar Ranjan

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## ACADEMIC BACKGROUND

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<u>DEGREE/CERTIFICATE</u>	<u>INSTITUTE/ ORGANIZATION</u>	<u>PERCENTAGE/GPA</u>	<u>YEAR</u>
<b>Dual Degree (B.Tech + M.Tech)</b> In <i>(Computer Science and Engineering)</i>	Indian Institute of Technology(ISM), Dhanbad, India	OGPA-8.21(out of 10) till 7 <sup>th</sup> Semester.	2015 to present.
<b>Senior School certificate Examination(12<sup>th</sup>)</b>	Bihar School Examination Board(BSEB), Bihar(India)	74.6%	2015
<b>All India Secondary School Examination(10<sup>th</sup>)</b>	Bihar School Examination Board(BSEB), Bihar(India)	77%	2013

## TECHNICAL SKILLS

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- **Programming languages:** C, C++, JAVA, Python, Matlab(Beginner).
- **Operating System:** Windows and Linux.
- **Professional Softwares:** Microsoft Office, Adobe Photoshop.
- **Python Libraries:** Tensorflow and OpenCV
- Done more than 160 problems on hackerrank and participated in various coding contests  
<https://www.hackerrank.com/rajnishranjan>
- Done more than 250 problems on GeeksforGeeks.  
[https://auth.geeksforgeeks.org/user/The\\_king\\_of\\_Knight/practice](https://auth.geeksforgeeks.org/user/The_king_of_Knight/practice)

## RESEARCH PROJECTS AND ATTENDED WORKSHOPS

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- ❖ Attended Workshops by **ACM IIT Kanpur** as a **Summer-School** program between 15<sup>th</sup> May to 30<sup>th</sup> June, 2017 on three of the topics Introduction to Web Development, System Security and Exploitation Techniques and Data Mining and Big Data Analysis.

- ❖ MULTI-FOCUS COLOR IMAGE FUSION BASED ON STATIONARY WAVELET TRANSFORM (SWT) NOV 2018  
This project is intended for the fusion of two or more multi-focus color images using Stationary wavelet transform. We have implemented the code in MATLAB. This project lives at <https://github.com/Rajnish-Ranjan/image-fusion>
  
- ❖ WILD IMAGE CLASSIFICATION USING CNN MARCH 2018  
This project classify the images of two or more kinds with best accuracies using Convolutional Neural Network. This project lives at <https://github.com/Rajnish-Ranjan/Image-Classification-using-CNN>
  
- ❖ IMAGE PROCESSING TO DISTORT IMAGES AND SEGMENTATION TECHNIQUES NOV 2016  
✓ EXE files for various distortions and their python source code files lives here <https://github.com/Rajnish-Ranjan/Image-Processing/tree/master/Distortion>  
✓ Report on Image processing techniques lives here <https://github.com/Rajnish-Ranjan/Image-Processing/blob/master/image%20processing1.pdf>
  
- ❖ ANOMALY DETECTION, DATA MINING MARCH 2017  
To detect outliers in computer servers using Gaussian Multivariate System (implementation in Python). This project lives in <https://github.com/Rajnish-Ranjan/Anomaly-Detection>
  
- ❖ WEB DEVELOPMENT MAY-JULY 2017  
Developed **website** of our NGO “Ek PAHAL” <https://ekpahal.github.io/>

## AWARDS AND ACHIEVEMENTS

1. Cleared **IIT Joint Entrance Exam** and this way regarded among *top 1% engineering students* of India, (2015).
2. Awarded **Govt. of India “Merit cum Means Scholarship” (MCM)** in college for years, (2015, 2016 and 2017).

## SOFT SKILLS

- **Languages:** Fluent in English, Hindi. ; Conversational- Magadhi, Bhojpuri.
- Core Team Member of the official street dance club, WTC in IIT(ISM) Dhanbad.
- Organized Youth Empowerment and Skill Enhancement (Yes+!) Workshop (It also teaches breathing techniques, Yoga and Meditation) two times in our college under Art of Living.
- Co-founder member and editor of “**EK PAHAL**”  
Ek PAHAL, in Nalanda, Bihar is with a mission to uplift the lives of students, providing a platform and resources for local youth to learn and see the world in new ways. Till now more than 150 students have been impacted from EK PAHAL.
  - ✓ **Conducted** many sessions to impact perspectives (Science in Daily Life, Sparking Curiosity etc.), talks & tours
  - ✓ “**APS – an idea of community school**” has been associated with us under our program named “**Community school**”
  - ✓ Our idea “**Anwasha - Education beyond Schooling**” has been selected in “Changelooms with.in”