



(Saumya Singh)

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## PROFILE

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- **Education**

- PhD(pursuing)from Rama University,kanpur
- M.tech from Govind Ballabh Pant Engineering College(uttrakhand)
- B.tech from I.E.T Faizabad

- **Experience**

- Currently Working In Integral University Till Date
- Two Year Teaching Experience In SRIMT Lucknow

- **FDP/Workshop/Seminar**

- FDP: Fundamental of Machine Learning "
- FDP: Artificial intelligence In Teaching And Research Paper Writing
- FDP: NEP 2020: EPRI " WORKSHOP:AI Tools "
- WORKSHOP:AI and Current Research "
- SEMINAR-National intellectual Property Awareness Mission

### RESEARCH INTEREST:

- Machine Learning
- Artificial Intelligence
- Digital Image processing

### SUMMARY OF RESEARCH ACCOMPLISHMENT:

- **Brain Tumors:** Exploring the molecular mechanisms of brain tumor development and potential therapeutic strategies, with a focus on targeted therapies and the tumor microenvironment.
- **Alzheimer's disease:** Investigating the path physiology of Alzheimer's, including the roles of amyloid-beta and tau proteins, and identifying biomarkers for early diagnosis and prevention.
- **Plant Diseases:** Examining plant-pathogen interactions and the influence of environmental factors on disease susceptibility, aiming to develop sustainable practices to enhance plant resilience.

### PROFESSIONAL MEMBERSHIP:

- International Association of Engineers

## COURSE TAUGHT:

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- Data Structure
- Operating System
- Linux
- PHP
- Data Base management System
- Cyber Security
- Information System Analysis and Design
- Management Information System
- C programming
- Internet of Things

## ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

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- Career & professional development Committee
- Departmental Placement Committee

## STUDENTS SUPERVISION

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- Supervisor for BCA and MCA Student's Projects

## PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

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- "A Survey on Brain Tumor MRI Image Segmentation" – International Conference on AI and Robotics in Life Science (ICAR-23).

## PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

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- International Journal of Advanced Engineering and Technology has published paper Role of AI and block chain in patient health care.
  - International Journal of Advanced Engineering and Technology has published paper Automatic brain tumor detection MR image
  - International Journal of Advanced Engineering and Technology has published paper Review on leaf detection using ImageProcessing Technique
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