Pritika Adhikari

Assistant Professor (CSE)

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github.com/pritikaadhikari

WORK EXPERIENCE

Assistant Professor
Dehradun Institute of Technology
07/2025 *Dehradun,India*
Subjects
- Software Engineering, Programming Fundamentals, Web Technology and Applications

Senior Administrative Assistant
District Education Office, Govt. of Sikkim
03/2025 - 06/2025 *Gangtok, India*
Tasks
- Managed state-level data on EMMIS (Education Management & Monitoring Information System) platform for institutional data and reporting.

Technical Trainer
iNurture Solutions-Quantum University
02/2024 - 01/2025 *Roorkee, India*
Subjects
- Operating Systems, Relational DBMS, Information Security and Graph Theory and Probability

EDUCATION

M.Tech in Computer Science
Sikkim Manipal Institute of Technology
08/2021 - 08/2023 *Rangpo, Sikkim*

B.Tech in Computer Science
Raja Reddy Institute of Technology
08/2015 - 08/2020 *Bangalore , India*

TECHNICAL SKILLS

User Interface Design | Python | JavaScript | HTML ,CSS | Web Development | MySQL | MS Offiice

PUBLICATIONS

Survey on IoT Based Smart Fishery with context with the Himalayan Region of Sikkim

Experimental Analysis of Feature based image registration of Histopathological Images

Phising a detection using improved RCNN with Attention Mechanism

PROJECTS

Experimental Analysis of Feature based image registration of Histopathological Images (08/2022 - 08/2023)
- Augmented static tissue images to generate a dataset with varying illumination, rotation angle and scale.
- Combined different outlier rejection algorithms with different registration algorithms.
- Analyzed the performance of the different combination of algorithms for the generated dataset.

Survey on IoT Based Smart Fishery with context with the Himalayan Region of Sikkim (09/2021 - 07/2022)
- Surveyed the optimal water conditions for the types of fish cultivated in Sikkim.
- Study of Smart fishery architectures in hilly areas.

Phising Email and URL detection (01/2020 - 07/2020)
- Binary classification of emails and URLS into legitimate or phising category.
- Achieved 98.74 % accuracy with False Positivity Rate of 0.043 % with the themis

LANGUAGES

English
Full Professional Proficiency

Nepali
Native or Bilingual Proficiency

Hindi
Full Professional Proficiency