

Rajesh Titung

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EDUCATION

Ph.D. in Computing and Information Sciences

Rochester Institute of Technology

2021 – Present

Rochester, NY, USA

- CGPA: 3.87
- **Advisor:** Prof. Cecilia O. Alm
- **Research Group:** CLaSP Lab

Bachelor in Computer Engineering

Pulchowk Campus, Institute of Engineering, Tribhuvan University

2013 – 2017

Lalitpur, Nepal

- 80.91%

EXPERIENCE

Teaching Assistant

ENGL-581/681, RIT

August 2022 – Present

Rochester, NY, US

- Designed assignments for transfer learning in NLP I
- Created quizzes, graded and guided students

Graduate Research Assistant

CLaSP Lab, RIT

August 2021 – Present

Rochester, NY, US

- **Research area:** Affective computing and its exploration of various machine learning techniques
- Analyzed applicability and benefits of Interactive Machine Learning (Active Learning and Machine Teaching) for Affective Computing
- Working on data collection using verified stimuli eliciting targeted emotions

Co-Mentor

REU in Computational Sensing for Human-centered AI

May – July 2022

Rochester, NY, US

- Co-mentored 10 undergraduate students from different universities in USA
- Mentored students for academic paper writing.

Machine Learning Engineer

Fusemachines Nepal

July 2018 – July 2021

Kathmandu, Nepal

- Led a team on Zendesk-based automated reply system
- Co-led a team on a information retrieval system for a construction project leads and analytic company
- Prepared NLP, RL, and CS course materials for Fusemachines Nanodegree

Trainee

Tekvortex Pvt. Ltd

Nov. 2017 – Feb. 2018

Lalitpur, Nepal

- Worked on a news curating system
- Worked on crawler and database

Intern

E&T Nepal Pvt. Ltd

May 2016 – Sept. 2016

Bhaktapur, Nepal

- Worked on Desktop automation project

PUBLICATIONS

- **Rajesh Titung** and Cecilia O. Alm. 2022. Teaching interactively to learn emotions in natural language. In Proceedings of the Second Workshop on Bridging Human–Computer Interaction and Natural Language Processing, pages 40–46, Seattle, Washington. Association for Computational Linguistics.
- **Rajesh Titung**. 2022. Interactive Machine Learning for Multimodal Affective Computing. In Proceedings of the Doctoral Consortium of 10th International Conference on Affective Computing Intelligent Interaction (ACII 2022). forthcoming.

ABSTRACTS WITHOUT PROCEEDINGS

- Cecilia O. Alm and **Rajesh Titung**. 2022. Engaging human interactions to learn emotions. EmoCHI'22. Nonarchivable

ACHIEVEMENTS AND AWARDS

- Dhankuta District Topper** 2009
- District Topper in District Level Examination
- St. Xavier's Partial Scholarship** 2013
- Provided to around 18 students in a college of 504 students
- Pulchowk Campus Achievements** 2013–2017
- College Fellowship Scholarship in each semester and Full-fee scholarship in II/II semester
 - Selected for internship at E&T Nepal Pvt. Ltd. for a program of the company in collaboration with TU
- Fusemachines AI Fellowship** 2017
- Selected into highly competitive fellowship program by Fusemachines Nepal (an AI based company in Nepal).

COURSES COMPLETED AND CERTIFICATIONS

- Micromasters in Artificial Intelligence** May 2019
- A four course degree consisting of AI, ML, Robotics and CGI.
- Deep Learning Specialization** June 2019
- A five courses degree focusing on Neural network, Optimization, Management, NLP and Computer Vision.
- Intro to TensorFlow** December 2019
- Basic introduction to Tensorflow from low level to Estimator API and model scaling using Google Cloud Platform.
- Reinforcement Learning Specialization** August 2020
- A four course degree focusing on RL fundamentals, various RL algorithms and formalizing a task as a RL problem.
- Intro to Deep Learning with PyTorch** June 2020
- The course focuses on basics of Deep Learning along with GAN and using AWS services including sagemaker, Lambda, etc to train and deploy pytorch models
- Deep Reinforcement Learning Nanodegree** July 2020
- Basics of Reinforcement along with Value based and Policy based methods and intro to Multi-Agent RL.

INVOLVEMENT AND EXTRA ACTIVITIES

- Exhibitor, Imagine RIT, Rochester Institute of Technology, USA
- Organizer at ML Workshop, IT Meet 2020, Kathmandu University, Nepal
- Organizer at Yomari Code Camp, Locus 2017, Pulchowk Campus, Nepal
- Participant at Hult Prize at TU, 2016
- Android App Development Training Participant, Locus 2015
- Open Software Competition Participant, Locus 2015
- LOCUS 2014 Volunteer
- Windows 8.1 Dev Camp Participant

TECHNICAL SKILLS

Languages: English, Nepali, Tamang, Hindi
Programming Languages: Python, Java, C/C++, SQL (Postgres), MongoDB
Libraries: Scikit-learn, Tensorflow, Keras, Pytorch, OpenAI Gym, nltk, spacy
Tools: Pandas, Matplotlib, NumPy, Seaborn, Matlab, Jupyter Notebook, conda, pipenv, cookiecutter, Flask
Developer Tools: Git, Docker, Atom, AWS, Jira
Softwares: iMotions