



Rabin Adhikari

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SUMMARY

I am a computer engineering undergrad committed to learning and developing skills in Machine Learning, Web Development, and Networking. I am capable of self-managing and working independently or collaborating with others on group projects.

EDUCATION

Bachelor in Computer Engineering Nov 2017 — Present
Central Campus, Institute of Engineering, Tribhuvan University, Nepal
Rank 1 In Entrance Exam conducted by Institute of Engineering in 2074 B.S. among nearly 18,000 candidates

10+2 in Science Jun 2015 — Jun 2017
SOS Hermann Gmeiner School Bharatpur, Bharatpur, Chitwan, Nepal
Graduated in Top 1% of Class on an average of 85.3%

WORK EXPERIENCE

LOCUS Mar 2021 — Present
Software Coordinator
I mainly manage the software events of LOCUS 2021 and solve various technical difficulties of the organization.

Clamphook Nov 2019 — Present
Full Stack Developer
I am one of the initial developers for Clamphook. I use MongoDB and Flask to program the server side of clamphook.com. In addition to back-end programming, I use front-end technologies like React mainly for front-end and back-end communication. I also look after server deployment issues for Clamphook.

IEEE Pulchowk Student Branch Feb 2020 — Present
Event Chair
I organized Tech Talk on "A Platform for Innovations and Ideas" with the CEO of Yatri Motorcycles and the CEO of International Green Developers Nepal as the speakers of the session and Blood Donation Programme with the help of Redcross Society Nepal.

Nepal Applied Mathematics and Informatics Institute for Research (NAAMII) Jun 2020 — Dec 2020
Research Intern
I researched the availability of language corpus for the Nepali language and built one of reasonable size. I trained an ALBERT language model on the corpus and named it NepBERT. I worked for diyo.ai, which is an incubation under NAAMII.

ASMI May 2019 — Mar 2020
Junior Researcher
I researched in two-dimensional *In-Video Advertising*. I researched two-dimensional In-

Video Advertising to allow the companies to provide advertisement through videos of the platforming seamlessly without blocking the video content.

LICENSES & CERTIFICATIONS

- **Generative Adversarial Networks (GANs) Specialization** by deeplearning.ai on Coursera
- **Natural Language Processing Specialization** by deeplearning.ai on Coursera
- **AI for Medicine Specialization** by deeplearning.ai on Coursera
- **DeepLearning.AI TensorFlow Developer Specialization** by deeplearning.ai on Coursera
- **TensorFlow: Data and Deployment Specialization** by deeplearning on Coursera
- **Applied Data Science with Python Specialization** by University of Michigan on Coursera
- **Mathematics for Machine Learning Specialization** by Imperial College London on Coursera
- **Machine Learning** by Stanford University on Coursera
- **Digital Developer Conference: Cloud Native Track** by IBM

PROJECTS

ReadIt

An implementation of the state of the art Retrospective Reader which extracts the span of the text from provided context. It was trained on SQUAD 2.0.

COVAPLAD

COVID Volunteer and Plasma Donor system is system where volunteers can apply for various events and Plasma Donors can donate their convalescent plasma to save others lives. The primary technologies used Django and MySQL.

Kukurshetra

A cross platform desktop app written in C++ which runs on both Linux and Windows where two users with two computers of their won on the same local area network (LAN) shoot bullets at each other. The one to kill the other first wins.

3D Modelling of ICTC

A 3D simulation of the ICTC building in the Pulchowk Campus written in C++ using OpenGL and GLSL.

Kurakani

An online messaging service using Flask, similar in spirit to Slack. Users can sign in to this website, create channels, see other channels and join them. Once the channel is selected, users can send and receive instant messages from other users on the channel.

Book Sansar

A book review website where users can review different books and see review of other users, too which will be saved in a database. It also used Goodreads API to see ratings of different books from a broader audience. It was made using Flask, a micro-framework of Python and PostgreSQL.

INTERESTS

- Natural Language Processing
- Generative Adversarial Networks (GANs)
- Image Processing
- Networking
- Web Development

TECHNICAL SKILLS

- *Python* programming language including libraries useful for machine learning and deep learning like *Numpy*, *Pandas*, *Scikit-Learn*, *TensorFlow*, *Pytorch*, etc

- Client side programming using *JavaScript/Typescript* and its frameworks like *React*
- Server side programming using *Node.js* frameworks like *express* and Python frameworks like *Django* and *Flask*
- Experience with various *SQL* and *NoSQL* databases
- Linux skills like *vim*, *tmux*, shell scripting and experience with different Linux distributions
- Version control systems like *Git*
- *Android* programming using *React Native*
- Computer Graphics programming using *OpenGL* along with *SDL* and *SFML*

NON TECHNICAL SKILLS

- Fast Learner
- Highly Dependable
- Attention to Small Details
- Communication
- Ability to work under pressure
- Decision Making
- Time Management
- Self-Motivation
- Conflict Resolution
- Leadership
- Adaptability

AFFILIATIONS

- Member, IOE FOSS Community, 2017 to Present
- Member, Mozilla Campus Club, Pulchowk Campus, 2017 to 2019
- LOCUS, Nepal, 2017 to Present

SPOKEN LANGUAGES

- English
 - Full professional proficiency
- Hindi
 - Professional working proficiency
- Nepali
 - Native or bilingual proficiency