



Rabin Adhikari

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Summary

An Effective Student committed to learning and developing skills in Machine Learning, Web Development, and Networking. Capable of self-managing and working independently or collaborating with others on group projects.

Education

Bachelor in Computer Engineering November 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 June 2015 — June 2017

SOS Hermann Gmeiner School Bharatpur, Bharatpur, Chitwan, Nepal

Graduated in Top 1% of Class on an average of 85.3%

Work experience

LOCUS March 2021 — Present

Software Coordinator

Nepal Applied Mathematics and Informatics June 2020 — Present

Institute for Research (NAAMII)

Research Intern

I am currently working under diyo.ai to build Nepali Language Text Corpus.

IEEE Pulchowk Student Branch Feb 2020 — Present

Event Chair

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.

ClampHook November 2019 — Present

Full Stack Developer

I used *MongoDB* and *Flask* to program the server side of *clamphook.com*. I also used front end technologies like *React* mainly for front end and back end communication.

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

Accomplishments

- Conducted a **Workshop on Introduction to Programming** for all the undergraduates to provide an insight to what programming is
- Conducted a **Workshop on Version Control System** with Insights to Git
- Conducted a **Talk show on Market, Startup and Industry** with an speaker from CEO of Startup Industry of Nepal

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 microframework 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*, etc
- Client side programming using *JavaScript/Typescript* and its various 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

- Nepali
- English
- Hindi