

BHOJ KARKI

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EDUCATION

University of Louisiana at Lafayette

Aug 2021 – Aug 2023

MS in Computer Science, GPA:4.0, Academic Excellent Award Receiver

Lafayette, LA

Pokhara University

Jan 2012 – March 2016

B.E. Computer Engineering, GPA:3.36, Merit-Based Full Scholarship

Kathmandu, Nepal

WORK EXPERIENCE

University of Louisiana at Lafayette

Aug 2021 – Aug 2023

Graduate Research and Teaching Assistant

Lafayette, LA

- Executed **LSTM, CNN, CNN-LSTM, and GRU** models for person identification in VR with accuracy above **97%** and, assisted and graded **70+** students in CMPS 261-Advance Data Structure with Java

DocVocate

Oct 2020 – Sep 2021

Software Engineer

Belmont, California, United States

- Created ETL pipeline in **appealio.docvocate.com** app for transforming insurance claim data from various sources such as REST APIs, PDF, text files, Excel sheet, etc. into the platform core and helped the client **cut Appeals Time by 75% with an Automated Appeals Process**

Open Learning Exchange (OLE) Nepal

Sep 2017 – Oct 2018

Software Engineer

Kathmandu, Nepal

- Designed and built digital library(**www.pustakalaya.org**) from start to finish which serves content of **4784 authors** including **9459 books, 2194 videos** and more than **3752 audio** educational material and also assisted in deploying offline server for **1400+** school in different parts of Nepal which led to 50% increase in educational access in Nepal via the company.

TemcoControls.com

Dec 2015 – Sep 2017

Software Engineer

Vancouver, British Columbia, Canada

- Built application based on .Net framework which talks with different Temcocontrols hardware as well as IoT devices via internet and gave conclusive visualization of the system state which led to **2 way visibility** of different hardware states one from controller and another from the software.

Freelance Software Engineer

Oct 2018 – Oct 2020

Full Stack Developer

Seoul, South Korea

- Worked in Angelswing, a drone-data platform company, for building back-end API's for processing GIS data and also worked in researching on detecting red and blue algae in water rivers based on the GIS data.
- Worked in 4pix Solutions, a software company, for building project management software, dhuni,(**dhuni.io**) similar to jira, worked from design to finish product.

TECHNICAL SKILLS

Language: Python, JavaScript, C/C++, Java, C#, SQL, php, Shell scripting

Frameworks: Django, Flask, React, Vue, SQLServer, PostgreSQL, jQuery, Bootstrap

Project Management: Jira, Trello, Monday, Asana, Github, GitLab,

Databases: Postgres, MySQL, MSSQL, SQLite, MongoDB, Elasticsearch

Tools: AWS, Docker, Git, Jira, Postman, Swagger, Linux, nodejs, REST API, SOAP API, Slack, Asana, JSON, Heroku, Nginx, Redis, Celery, Jenkins, UnitTest, Selenium IDE, Selenium Webdriver, Sass, Gulp, CSS, LATEX, Sklearn, NumPy, Pandas, Tensorflow, Keras, PyTorch, SciPy, Gensim, Matplotlib, Seaborn

AWARDS AND EXTRACURRICULAR

Academic Excellence Award (University of Louisiana at Lafayette, 2023)- Awarded by University for outstanding academic performance.

Graduate Teaching and Research Scholarship (ULL, 2021)- it covers full tuition and provides stipend for pursuing graduate study.

Merit-based full scholarship (Pokhara University, 2012)- Provides full scholarship for pursuing B.E. Computer Engineering based on performance in entrance exam.