

# REETI PRADHANANGA

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## EDUCATION

**B.E., Computer Engineering**, Tribhuvan University

Nov 2017 – April 2022

Relevant Coursework: Object Oriented Programming, Data Structure and Algorithms, C, C++, Artificial Intelligence, Data Mining, Machine Learning

Percentage: 86.98%, *Batch Topper*

## SKILLS & TOOLS

**Languages:** Python, C/C++, Go

**Database:** MySQL, PostgreSQL, MongoDB

**Web Development:** HTML, CSS, JavaScript

**Tools:** Visual Studio Code, Google Colab, Jupyter, PyCharm, GitHub, GoLand

**Frameworks:** Django, Express

**Others:** Microsoft Word, Microsoft Excel, LaTeX

## PROJECTS

**Twitter Sentiment Analysis On Gadget Reviews**, *Major Project 2021*

- Django, ReactJS, Pandas, PostgreSQL
- Developed a Naïve Bayes Classifier to analyze the reviews of the gadgets by fetching real-time tweets, classify them as positive, negative, or neutral sentiments, and show their graphical representation
- Analyzed the reviews of the gadgets by fetching real-time tweets using Twitter's API and filtering irrelevant data
- Visually represented the results of sentiment analysis in the form of a line graph, pie-chart

**Hamro Krishi**, *WLiT Project 2020*

- NodeJS, HTML, CSS, MongoDB
- Platform for farmers to sell their products to consumers and establish a communication medium between them

**Job Recommendation System**, *Minor Project 2020*

- Django, Bootstrap, PostgreSQL
- Built a web application using Content-Based Filtering Algorithm to recommend IT-related jobs based on the user's skills
- Conducted research on the algorithm to understand how it works and how to integrate it into the web application

**Roll with It**, *LITE Technical Exhibition 2018*

- C++, Graphics.h
- Single-player car game where the speed of the car gradually increases each level up

## WORK EXPERIENCE

**Backend Developer**, *RARA Labs*

April 2022 - Present

- Developed an employee management system, a lease reporting system, and an accounting system using Go, PostgreSQL
- Developed and executed unit tests and integration tests to ensure the quality and stability of the codebase using GrpahQL and Rest APIs in Go
- Worked on authentication and permission-based authorization in Go
- Conducted query optimization to identify and resolve bottlenecks in the database queries

**Software Engineering Intern, *Leapfrog Technology, Inc.***

April 2021 – June 2021

- Gained skills and experience in HTML, CSS, and vanilla JS
- Worked efficiently to meet the time and standards of assigned projects
- Made a two-player game having four levels using vanilla JS

**INVOLVEMENT**

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**Women Leaders in Technology (WLIT) Fellowship**

October 2020 – July 2021

- Nine-month long program with a two-week boot camp on JavaScript (Node JS, Express JS) and MongoDB
- Leadership training followed by teamwork, time management, and problem-solving
- Conducted an Hour of Code Session for students of grades 9 and 10, demonstrating the basics of programming through the help of game development

**AWARDS**

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**Merit Based Scholarship** recipient, 2017 - 2022

**Kul Ranta Tuladhar Award recipient**, 2023, Awarded by Institute of Engineering (I.O.E) for B.E. Topper