

Jeevan Dhakal

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Education

Tribhuvan University

Bachelor of Science in Computer Science and Information Technology

Kathmandu, Nepal

Jan. 2017 - Oct. 2022

- Graduated in the top 10% of the class

Research Interests

- Data Science
- Machine Learning
- Artificial Intelligence

Experience

Back-end Developer

Aeon-Soft Solution Technology

Dec. 2022 - Present

Full-time

- Working on recommendation systems for [Tuteeline](#), focusing on recommending the best-fit colleges and universities for students.
- Developed database schema for [Tuteeline](#) using postgres.
- Created a GraphQL API for [Tuteeline](#) using gqlgen (golang).
- Developed a chat system using WebSockets in Golang and Redis.
- Implemented an automatic notification delivery system for waitlisted students' SEE results.
- Collected colleges and universities data through web scraping using Playwright and BeautifulSoup (Python).

Python Developer (Intern)

Princelab

Apr. 2022 - Nov. 2022

Remote

- Built an API for the "Real-State Buy/Sell/Rent System" using Django-Rest-Framework.
- Integrated various Nepali e-payment gateways like Khalti and E-sewa.
- Developed a desktop app for "Gym Management System" using PyQt and utilized Matplotlib for statistical representation.
- Web scrapped entrance preparation resources and converted them into a REST API using BeautifulSoup.
- Maintained and added new features to an existing API for [Princelab](#).

Certificates

Data Analysis with Python: Zero to Pandas

Jovian

Aug. 2023

- Completed 60 hours of coursework focused on popular Python libraries, including NumPy, Pandas, Matplotlib, and Seaborn.
- Analyzed a salary dataset comprising 6704 rows and 9 columns, examining the data based on country and race, and derived some insightful observations.

Projects

Blog and Tools sharing (Full-Stack)

June 2023 - Present

- Developed a full-stack web application for personal [blog posts](#) using Django in the back-end and Bootstrap in the front-end.
- Utilized TiniMCE for a rich-text editor to enhance the visual appeal of posts.

Price Comparison System (Full-Stack)

Nov 2021 - Jan. 2022

- Created a full-stack web application for live goods price comparison from various E-commerce sites.
- Employed web scraping with BeautifulSoup, Django (back-end), and Bootstrap (front-end).
- Implemented Celery for tracking and notifying users when desired prices were available.

Technical Skills

Languages: Python, Go

Web Development: Django, gqlen, GraphQL

Technologies: Git, Linux, Docker, AWS (S3, SES), PyQt, BeautifulSoup

Database: MySQL, Postgres, Redis

Data Analysis: Pandas, Matplotlib, NumPy, Seaborn

Others: Microsoft Office, Office 365