Jeevan Dhakal

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Education

Tribhuvan University   **Kathmandu, Nepal**
Bachelor of Science in Computer Science and Information Technology   *Jan. 2017 - Oct. 2022*

- Graduated in the top 10% of the class

Research Interests

- Data Science
- Machine Learning
- Artificial Intelligence

Experience

Back-end Developer   **Dec. 2022 - Present**
Aeon-Soft Solution Technology   *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)   **Apr. 2022 - Nov. 2022**
Princelab   *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.

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 Developement: Django, gqlen, GraphQL
Technologies: Git, Linux, Docker, AWS (S3, SES), PyQt, BeautifulSoup
Database: MySQL, Postgres
Data Analysis: Pandas, Matplotlib, NumPy
Others: Microsoft Office, Office 365