

ISHWORI KHANAL

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SKILLS

Languages: Python, C, C++, JavaScript, HTML, CSS, Rust

Technology Stack: NumPy, Pandas, TensorFlow, PyTorch, AWS(EC2, S3, Lambda, CloudWatch, RDS), FastAPI, Django, DRF, Flask, PostgreSQL, MySQL, MongoDB, Scrapy, Selenium, BeautifulSoup, Docker, CI/CD

WORK EXPERIENCE

Upwork Freelance | Profile Link : <https://www.upwork.com/freelancers/~012d5eba9d8306c699>
April 2021 – Present

- Programmed an efficient script that reduced query times by optimizing asynchronous tasks, using asyncio and aiohttp to query APIs and collect data.
- Built a FastAPI-based RESTful API for managing products, orders, and users with JWT authentication.
- Implemented deep learning on network datasets using TensorFlow and PyTorch for multilabel classification, achieving high accuracy.
- Wrote a highly flexible Python script to extract data from PDFs using PyMuPDF, PyPDF2, PyTesseract, and pdf-plumber.
- Collaborated with the client to implement the XGBoost algorithm and hyper-tuning the algorithm for the best results.
- Built multiple scripts to scrape data from multiple websites using Selenium, Scrapy, and BeautifulSoup.

Belvy LLC

Python Developer

June 2021 – October 2021

- Visualized complex data using seaborn and matplotlib.
- Applied PCA to extract features from the dataset.
- Explored AWS services(EC2, S3) to deploy the API and monitor the deployed API.
- Built multiple APIs using Flask for OCR projects.

Soft Skills: Problem-Solving, Leadership, Detail-oriented, Ability to perform under pressure, Growth-oriented, Critical and Analytical Thinking, Communication Skills

PROJECTS

➤ Academic Projects

- ***Object Detector and Tracker Robot***

Led a team of four to build the robot and applied the Single Shot Detection(SSD) algorithm to achieve object detection and tracking with high accuracy.

- ***Signal Detector and Jammer Circuit***

Collaborated with team members to construct a signal detector and jammer circuit using 555 timer IC.

➤ Personal Projects

- ***Social Media Management API***

Developed a scalable RESTful API using FastAPI for managing users and blog posts with JWT-based authentication. Features include CRUD operations, real-time notifications via WebSockets, and interactions like likes, dislikes, and comments. Utilized SQLAlchemy, PostgreSQL, and Alembic for database management and migrations

- ***Kaggle Scraper***

Selenium-based scraper to extract datasets along with their description and data dictionary from Kaggle.

MISCELLANEOUS

- Open Source Contribution

Contributed to qiskit-terra in fixing bugs and unit testing.

- Volunteering

Volunteered as a trainer in several Python Bootcamps for beginners.

- Certificates

Introduction to Quantum Computing by IBM | IBM Quantum Challenge 2021

Achievement - Advanced

EDUCATION

Atlantis University

Master's in Information Technology

Currently Attending

IOE Western Regional Campus, Pokhara

Bachelor's in Electronics and Communication Engineering

2017-2021