Bikash Timsina

Python Developer

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Profiles

 bikash-timsina

 bi-kash

Summary

With over 4 years of experience as a Python developer, my expertise lies in Python module development, backend development, API integration, POC and MVP development, web automation, and deployment, among others. While my primary focus is on Python development, I also have a solid background in machine learning and data science, which complements my development work and enables me to build more intelligent and data-driven applications.

Experience

Threadlet   2023-06-01 - 2023-09-10
Machine Learning Engineer | Python developer   Australia (Remote)
 https://threadlet.com.au/

I recently wrapped up my engagement with Threadlet, an Australian energy-saving company. Threadless provides an automated service that seamlessly transitions users to the most cost-effective electricity and gas rates each month, all at no additional cost and conveniently consolidated in one platform. I played a crucial role in developing the entire backend infrastructure using the Flask framework in this project. Specifically, I utilized SQLAlchemy models to handle ORM for database (postgresql) interactions. Implementing Celery was integral for automating and scheduling async tasks, and ensuring the system's efficiency. Additionally, Redis was employed for caching purposes, enhancing overall performance. We used docker containers to handle different microservices.

We connect   2022-05-01 - 2022-08-10
Python Developer   New York (Remote)
 https://we-connect.io/

At We-connect a LinkedIn prospecting startup company, I contributed to the development of a Python-based LinkedIn automation bot. We used combination of selenium and voyager API for automation. With ChatGPT 4 API, we empowered our bot to intelligently assess the nuances of each profile it encountered, enabling it to tailor outreach messages and engagement strategies for maximum effectiveness. This integration not only expedited the prospecting process but also ensured that our interactions were personalized and resonant with the target audience. The whole backend was built on Flask Framework. Celery for task scheduling and redis for caching.

Inferstat   2021-07-10 - 2022-01-11
Python Developer
 https://www.linkedin.com/company/inferstat/

I worked with the research and development team in this startup fintech company. My job mostly involved creating new trading rules from scratch, Helping the team with adding new features, boosting test suite coverage, and bug fixes. It also had a opensource library. You can view my contributions here: https://github.com/ta-oliver/infertrade/pulls?q=is%3Apr+i s%3Aclosed+assignee%3Abi-kash

Freelancing in Upwork   2021-07-10 -
Python Developer | Machine Learning Engineer
 https://www.upwork.com/freelancers/~01113b8ddddd2dbada

I am a top-rated freelancer on Upwork. I have worked on deep learning research tasks in AI art generation, recommendation systems, classification systems, and sentiment analysis. Plus I am also involved in coding, designing, testing, deploying, and debugging, specializing in backend development.

Research work in Elliot Ash ((https://elliottash.com/)   May 2024 - Present
Research Assistant
 https://github.com/elliottash/SocialNLP

As a data scientist contributing to exciting research in computational social science, I have been involved in a project with several key steps. My work began with pre-processing and featuring documents using a robust sentence segmenter. I then adapted BERTopic to run on these sentences, accommodating a very large number of clusters. This involved encoding the sentences with advanced encoders like mpnet-v2. Subsequently, I utilized UMAP and HDBSCAN to identify clusters and employed hierarchical clustering techniques to map infrequent granular clusters to higher-level clusters. This methodology was applied to social and political corpora, significantly aiding in academic research.

Education

Budhanilakantha School   2015-09-10 - 2017-07-10
PCM   High School

Tribhuvan University, IOE, Pulchowk Campus   2017-09-10 - 2021-07-10
Electronics and Computer Engineering   Bachelors

Volunteering

Workshop for high school students   -
Organizer

This was a seven-day workshop organized to bridge the gap between theoretical school knowledge and hands-on research for highly motivated students. It was a workshop for teaching hands-on skills in the field of computer science and robotics. Particularly they learned about microcontrollers like raspberry pi and Arduino and how to program them to solve robotics problems. I was sure students were inspired to further explore it on their own.

Skills

Python
● ● ● ● ○

Flasks / Django
● ● ● ● ●

Data Structure and Algorithm
● ● ● ● ○

Machine Learning
● ● ● ○ ○

Redis
● ● ● ● ○

Celery
● ● ● ○ ○

Docker
● ● ● ○ ○

AWS Cloud
● ● ○ ○ ○

GCP
● ● ○ ○ ○

Certifications

Neural Networks and Deep Learning   2019-11-10
Coursera
 https://www.coursera.org/account/accomplishments/certificate/D9T8KHFRAJWD

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization 2020-04-10
and Optimization
Coursera
 https://www.coursera.org/account/accomplishments/certificate/SBDWQ6YZYF8T

Languages

English
Fluent

Nepali
Mother tongue

Hindi
Fluent