




# Sagun Shrestha

## Developer


 Kathmandu, Nepal

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## EDUCATION

### **Kathford International College**

BSc. CSIT

2013 – 2017 | Kathmandu, Nepal

Programming, Web Technology, Algorithms, Database, Data Mining, Cryptography.

### **National School of Sciences**

Science (10+2)

2010 – 2012 | Kathmandu, Nepal

Physics, Chemistry, Maths, Biology.

## SKILLS

### **Programming**

Python, Django, Flask, Scrapy, Selenium, JavaScript, Express, Pandas, PHP, CodeIgniter

### **Database**

MySQL, PostgreSQL, MongoDB

### **System**

Nginx, AWS, DigitalOcean, Linux

### **Soft Skills**

Fluent in English, Product focused, Remote working experience, Strong Maths skills

## CERTIFICATES

- Intro to Python for Data Science
- Mathematics for Machine Learning

## PROFESSIONAL EXPERIENCE

### **Freelance**

Developer, Data Mining Engineer

2017 – present | Kathmandu, Nepal

- Backend and API development using Flask, Django, Express.
- Content Aggregation, Data Analysis, Mining and Processing.
- Automation and Web Scraping.

### **YoungInnovations Pvt. Ltd.**

Software Engineer (Intern)

2017 Sep – 2018 Jan | Kathmandu, Nepal

- News Aggregator using Django, and Scrapy.
- Data collection platform using Kobo Toolbox, Django and JS.

## BUSINESS PROJECTS

### **Price Monitoring API**

2018 Mar – 2018 Jun

- Created a web app that monitors prices from multiple websites.
- Built an API to allow customers to fetch data.
- Scalable crawlers able to fetch over 100K products per day.

### **FightVAW**

News aggregator

2017 Sep – 2017 Nov

- FightVAW aka Fight Violence Against Women.
- Built using Python, Django and Scrapy.
- Implemented keyword based news scoring algorithm.

## TECHNICAL PROJECTS

### **Image Classifier**

2017 Feb – 2017 Apr

- Built an image classifier using Tensorflow.
- Implemented Convolutional neural network.
- Reusing Tensorflow for poets.

### **Virtual Machine**

2014 May – 2014 Jun


- A virtual machine that supports 7 instructions.
- Able to process a file (input device).
- Outputs data to another file (output device).
- Implemented using C.

## SIDE PROJECTS

### **Visualize Now**

Youtube Channel for data visualization


2020 Jan – present

- View channel 
- Find and Extract relevant data from various source.
- Clean, Process and Transform into usable format.

### **Google Search Ad Remover**

Browser extension

2020 Feb – 2020 Mar

- Removes advertised result from google search
- Chrome 
- Firefox 