Saurav Pandey

Senior Backend Developer / Data Science Professional

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https://www.saauraav.com.np/

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SKILLS

Python	Flask
Pandas	Web Scraping
Django	AWS Glue
AWS Lambda	Machine Learning
Data Visualization	Dashboard Design
MongoDB	DynamoDB
Database Design	Version Control
DataLake	FastAPI
Flask	postgresql
Docker	Computer Vision
Explanatory Data Analysis	redis
FastAPI	Tailwind

LANGUAGES

English
Proficient

Norsk
≈ A1 (attending norskkurs)

VOLUNTEERING EXPERIENCE

EuroPython Society (Jul 2023 - Jul 2023)
Onsite Volunteer

- Onsite Volunteer at EuroPython Prague and Remote Conference
- Session Chair for 5+ sessions
- Managed auditorium for multiple sessions

https://ep2023.europython.eu/thankyou

PyData Kathmandu (Jun 2019 - Present)
Organizer/ Mentor

- Organizing and managing Data Science **Training Sessions** for 50+ community members in a session.
- Assist the members with technical difficulties for **Data Scientist Career Track** of DataCamp.

https://www.meetup.com/PyData-Kathmandu/

BLOG

Data Science and Stuffs

https://www.saauraav.com.np/posts/

PUBLICATIONS

Blockchain in HandiCraft Supplychain Management(2019) (Sep 2019)
ICTAES

2nd Himalayan Conference on Advanced Engineering and ICT- Convergence, Kathmandu

https://ictaes.org/wp-content/uploads/2019/09/3_IJAE_Vol2No2.pdf

Anomaly based Intrusion Detection System (Sep 2019)
JIEE

Annual Journal of Institute Of Engineering, Thapathali Campus

https://www.researchgate.net/publication/341792966_Anomaly_based_Intrusion_Detection_System

Backend Developer and Data Science Professional, with 5+ years of crafting solutions. Driven by solving problems efficiently and with correct approach, I believe in magical impact Data can bring to corporations and this generation.
Skilled in Python, multiple backend frameworks, ETL, Data Analysis, Machine Learning, impactful visualizations, software development and equally efficient in leadership and communication skills.

WORK EXPERIENCE

Izy AS (Mar 2023 - Present)
Senior Backend Developer

- Core developer of a microservice from scratch which accounts for ≈ **80%** of monthly sales volume.
- Senior developer for maintaining 18 microservices with around **773 endpoints**.
- Majorly developed in **Flask_restx** framework with multiple custom made modules as per use case.

https://izy.no/

Resimator Oy (May 2022 - Feb 2023)
Senior Python Developer (Backend)

- Working on backend of highly scalable facility management system.
- Dockerized **Flask_restx** instance interacting with **AWS Aurora** as database for each of microservices

https://resimator.fi/

CloudyFox Technologies Pvt Ltd (Aug 2019 - Dec 2021)
Data Scientist

- **Extraction** of Data from different sources (database, google analytics), **Transformation** using **AWS Data Services** (**AWS Glue**, **AWS Athena**) and **Loading** to data lakes in and warehouses (**AWS S3**).
- Planned and implemented scalable **AWS Lambda** functions also used **AWS Kinesis** and **AWS DynamoDB**.
- Designing and maintaining Reporting Dashboards in **Quicksight** and **PowerBI**
- Document indexing in **elasticsearch** for search service.
- **Web Scraping** from 50+ corporate websites using tools like **bs4, selenium and scrapy**
- Groomed and **lead** and junior data scientist by defining learning tracks, mentoring about workflows.

https://www.cloudyfox.io

Institute of Engineering, Thapathali Campus (Nov 2018 - Apr 2019)
Teaching Assistant

- **Lectures** in C Programming and planning, supervising and monitoring **Lab Projects**

https://www.tcioe.edu.np

Rooster Logic Pvt Ltd (Jun 2018 - Jul 2019)
Python Developer / Data Analyst

- Python Flask Framework for **open data** portals.
- Used **TF-IDF** vectorizer to identify document similarity.
- Conceptualized and implemented a prototype of **blockchain** application in POW consensus.

https://roosterlogic.com/

EDUCATION

Nepal Open University (Oct 2020 - Present)
Masters in E-Governance, Information Technology

- Distance Education
- Focused in use of IT for public service delivery and good governance
- Studied Artificial Intelligence, Databases, Information System Audit

https://nou.edu.np/

Institite of Engineering, Thapathali Campus (Apr 2013 - May 2017)
Electronics and Communication , Engineering

- Served as Founding President of ECAST (Electronics Community) for 2016 -17.
- Participated in Ncell App Camp (2014, 2015)
- Completed degree with First Division

https://www.tcioe.edu.np/

PROJECTS

Global music sharing application (Startup) (Jan 2021 - Dec 2021)
German Startup

- Planned and implemented data pipelines and summarized dashboard for important KPI's.
- Planned user journey based on metrics generated by usage pattern which was available on both iOS and android globally.
- Music Information Retrieval (MIR) based on music characteristics like Mel Frequency

https://www.tingting.app/

Nepali Currency Classifier (Computer Vision) (Mar 2022 - Apr 2022)
Computer Vision

- Transfer learning of VGG 16 pretrained model using Keras
- Trained on 10K+ images of Nepali Currency with 7 classes
- Validation and Test accuracy ~90%

https://github.com/pysaurav/nepali-currency-classifier

REFERENCES

Edward Campbell
Mentor and supervisor as CTO
CTO, Between AS Former CTO, Izy AS
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Daniel Billing
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Backend Lead, Izy AS
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