

# Ajay Karki

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## EDUCATION

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### Paschimanchal Campus — [Tribhuwan University]

2019

Bachelor in Computer Engineering (Percentage: 67.21)

**Relevant Coursework:** Object- Oriented Programming, DSA, Discrete Structures, AI, Big Data, Data Mining, Software Engineering, Database, Distributed Systems, Theory Of Computation, OS, Computer Network, Microprocessor, Project Management, OOAD

## TECHNICAL SKILLS

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**Programming Languages:** Python, Dart, Go

**Tools/Libraries:** Django, Django Rest, Flutter, Numpy, Pandas, Git

**Others:** AWS, Digital Ocean, Alibaba Cloud, Huawei Cloud, Postgres, MySQL, GitHub Actions, Docker

**OS:** Linux, Windows

## WORK EXPERIENCE

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### Software Engineer — Khalti Digital Wallet Pvt. Ltd. | Fintech

Aug 2021 — Present

- ❖ Integrate new services
- ❖ Review and optimizing codebase
- ❖ Using pandas for large-scale data analysis improved report generation
- ❖ Research and development on using gRPC as a microservice for new module integration
- ❖ Working on microservices architecture
- ❖ Learning Airflow for ETL

### Software Engineer — Sparrow SMS | Part-Time

May 2022 — Present

- ❖ Working on Viber Bulk Messaging System, Viber Bot.
- ❖ Maintaining Jira Boards as SCRUM Master

### Python/Django Developer — Quantum IT Solutions

Jan 2020 — Jul 2021

- ❖ Experienced in school management, e-commerce, and learning management systems.
- ❖ Successful maintenance of multiple servers using AWS, Digital Ocean, and Alibaba Cloud
- ❖ Utilized AWS Lambda and AWS Media Convert to convert uploaded videos to HLS format for large video rendering in Learning Management System.
- ❖ Encouraged team to use docker, making CI/CD pipelines using GitHub Actions
- ❖ Boosted team productivity by the use of standard practices like SCRUM (Jira, etc).
- ❖ Implement Email services like Alibaba Cloud Email
- ❖ Mentored Interns in Django

## NOTABLE PROJECTS

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### **DalayDai**

**2021**

- Developed a RealEstate Backend using Python (Django and DRF)
- Integrated Open Street Maps
- Used Language Translation for the First time

### **KunyoIsMarketing, Evidhya, Dizhunk**

**2021**

- Developed an LMS Backend using Python (Django and DRF)
- Got familiar with AWS tools like AWS Lambda, AWS MediaConvert
- Designed a CI/CD pipeline using GitHub Actions

### **Akku.gg, UltraGroup — [Ecommerce Website]**

**2020**

- Developed Ecommerce using Python (Django and DRF)
- Integrated international (Stripe, PayPal) and national (Khalti, Esewa, IMEPay) Wallets
- Used Celery, Redis, RabbitMq for background tasks scheduling and cron jobs
- Used AWS EC2, S3, RDS for deployment