

# RAVI ADHIKARI

"Imagination is the power of man against nature"

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## EXPERIENCE

### Aayulogic Pvt. Ltd, Kathmandu — *Software Engineer*

APR 2018 - PRESENT

- Developed RESTful data driven API for RealHRSoft
- Developed sophisticated automated algorithms:
  - Overtime Generation
  - Leave Renewal and Accrual
  - Payroll Generation
  - Attendance Device Sync and Processing
  - Employee Review
  - Employee Onboarding/Offboarding
  - Credit Hour Generation
  - Compensatory Leave Generation
- Developed powerful aggregation reports.
- Test Driven Development, SOLID Principles
- Data Structures, Concurrency and Parallelism
- Linting, PEP8, Code Coverage
- Database Optimization, DeNormalization, Tree Indexes
- Message Brokers, Redis, NoSQL, FireStore
- Git, CI/ CD, Pull Requests, Plumbing and Porcelain
- Deployment, Containers, Amazon EC2, Digital Ocean Droplets

### Deerwalk Services Pvt Ltd, Kathmandu — *Data QA Intern*

MAR 2017 - FEB 2018

- Verified the correct mapping of new client's structured medical data with in-house big data processing engine.
- Produced VBScript macros, and database snippets for Personal Automation.

## EDUCATION

### Deerwalk Institute of Technology, Kathmandu — *B.Sc. CSIT* (Bachelor of Science in Computer Science and Information Technology)

OCT 2013 - MAR 2018

- Relevant Courses include: Design and Analysis of Algorithms, Linear Algebra, Simulation and Modeling, Probability and Statistics, Big Data

## TECHNICAL SKILLS

- Python, Django, Django Rest Framework, Flask, FastAPI
- PostgreSQL, MongoDB, Firestore
- ES6, Vue.js, React, EChart
- Octave, NumPy, Pandas
- Cron, Redis, Coroutines
- Amazon EC2, ECS
- Git Actions, Gitlab Pipelines

## SOFT SKILLS

- T-Shaped Skills
- Extreme Programming
- Art of Listening
- Critical Analysis
- Solution Oriented
- Accountability
- Humbleness

## LANGUAGES

- English [IELTS 7.5]
- Nepali [Native]
- Sanskrit [Self-Learnt]

## CLOUD INTERESTS

-  Github
-  LinkedIn
-  Xing
-  Instagram
-  Facebook

## OFFLINE INTERESTS




- Music
- Hiking
- Running
- Meditation
- Journal

- Term Paper, Project Work, Internship Report
- DeerCoders Season VI winner organized by Software Club
- Stage Performances, Club Activities, Sharing Sessions



## ACADEMIC PAPERS

-  Object Detection and Tracking Using Histogram of Oriented Gradients (HOG) based Kalman Filter
-  Research Paper on Snapchat

## PROJECTS

-  RealHRSoft
  - Develop an innovative, futuristic, data-driven and intelligent Human Resource Management tool.
  - Highlighted in  Experience
-  Merojob
  - Maintain job portal with huge user base
  - Redesign functionalities for Admin Panel
  - Database and Generic Optimization
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## REFERENCES

-  Rajesh Shrestha
  - Business Director
  - Aayulogic Pvt. Ltd.
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-  Sisir Ghimire Chhetri
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