

# Labin Ojha

Software Developer and Team Lead at PitechInfo  
<https://github.com/leabstrait>

+977-9823663223

[kontaktlabin@gmail.com](mailto:kontaktlabin@gmail.com)

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## Work Experience

- **Pi Tech Info Pvt. Ltd.** Kathmandu, Nepal  
*Software Team Lead* December 2021 - current
  - Full-Stack Developer and acting team lead for their product called ‘Chukul’ which offers fundamental analysis and technical analysis of stocks as a service.
  - Worked with Django, VueJS, TradingView
- **Beta Analytics Pvt. Ltd.** Kathmandu, Nepal  
*Software Developer* Feb 2020 - September 2021
  - Full-Stack Developer on their in-house data entry and reporting system.
  - Full-Stack Developer on a web application framework for stockbrokers.
  - Developed a browser extension for automation of form filling via fetch from a remote resource.
- **Sudreeshya IT Training Academy** Kathmandu, Nepal  
*Python Instructor* Jan 2020 - Feb 2020
  - Delivered a course in Python programming to 3rd-year college students
- **Innovative Engineering and Construction Technologies Pvt. Ltd.** Kathmandu, Nepal  
*Information Systems Officer* Feb 2018 - Dec 2019
  - Managed and oversaw the development of their websites and mobile apps
  - Maintained and Monitored the organisation’s ERP software(Bitrix24) and other computing and network equipment
  - Tested and evaluated new technologies
  - Proposed hardware/software solutions to accomplish the company’s business objectives
  - Documented & Reported findings and observations for Business Process Optimization.
- **Bajra Technologies Pvt. Ltd.** Kathmandu, Nepal  
*Software Development Intern* Sep 2017 - Dec 2017
  - Built a backend module in Golang for one of their in-house project named ‘Sitehawk’ which is a website monitoring service
- **CSIT Association of Nepal** Kathmandu, Nepal  
*Executive Member* 2015 - 2016
  - Participated in committee meetings
  - Assisted in events held by the organisation

## Skills

- **Numerical Analysis and Computer Science:** Machine Learning, Data Mining, Optimization, Computational Science, Artificial Intelligence, Linear Algebra, Monte Carlo Methods, ODEs, PDEs, Iterative Methods, Parallel Programming, Distributed Systems, Data Structures
- **Public Speaking:** I’ve given several hundred technical talks to audiences at machine learning conferences, Fortune 500 boards, and beyond.

- **Development:** Python (preferred), C/C++, CUDA, JavaScript,  $\text{\LaTeX}$
- **Technology:** MapReduce, numerical libraries, web frameworks, databases, linux, git, vim, tmux
- Discovering and implementing new ideas. Give me an API and a problem and I will figure it out.
- Diverse background in Math, Computer Science, Physics and Biology allows me to communicate to a wide scientific and general audience and begin contributing to any group immediately.
- I have worked in many places in a myriad of fields. I can readily learn and adapt to a new discipline, area or environment and start pushing real results quickly.

## Education

- **Tribhuvan University** Kathmandu, Nepal  
*BSc. Computer Science and Information Technology* 2014 - 2018
  - Took courses in Computer Programming, Data Structures & Algorithms, System Analysis and Design, Computation Theory, Artificial Intelligence, Statistics and Machine Learning
  - The final year project was an android application for Algorithm Visualization.
- **Capital Higher Secondary School** Kathmandu, Nepal  
*High School Certificate* 2010 - 2012
  - Studied Physics, Mathematics, Computer Science
  - Participated in Science Exhibitions
  - Founding Member of an IT Club
- **Lalitpur Secondary Boarding School** Lalitpur, Nepal  
*School Leaving Certificate* 2010
  - Participated in Science Exhibitions and other extracurriculars

## Participation in Workshops and Conferences

- **ThreatCon 2019** Kathmandu, Nepal  
*ThreatNix Pvt. Ltd.* 31 Aug 2019
  - A local-level cybersecurity conference.
  - Participated in CTF(Capture The Flag) competition at the event with a team
- **Youth Leadership Forum training** Lalitpur, Nepal  
*International Community Development Foundation (ICDF), American Embassy* 5 - 7 June 2019
  - Key themes of the training were: 21st Century Leadership, Self-Exploration, Resource Exploration, and Enterprise Building
- **Nepal Internet Governance Forum 2018** Lalitpur, Nepal  
*Internet Governance Forum, Nepal Chapter* 2-3 Nov 2018
  - Carried out discussions regarding Internet usage, safety, and policy
- **Open Data Hackathon - 2015** Kathmandu, Nepal  
*Open Data Nepal* 7 March 2015
  - With a team, presented a prototype project called 'Prakriya' which offers easy information about administrative processes in Government Offices. I was responsible for extracting data from pdf files.

- **Yantra 1.0 - National Robotics Competition**  
*Robotics Association of Nepal*
  - Volunteered

Kathmandu, Nepal  
*20-21 July 2012*