

# Gaurav Atreya

Civil Engineer

## Personal Information

Civil Engineering graduate with interest in Hydrology/Hydraulics. Hobby of programming and tinkering/creating software utilities. Planning to get a research position to learn about the latest developments and contribute to the scientific community.

## Core Skills

- Quick Learner
- Computer Skills (Windows/Linux)
- Detail Oriented
- Time Management

## Technical Skills

### Programming

Intermediate: **Python, C & C#**

Basic: **R, SQL, LISP & Golang**

### Software

GIS: **QGIS**, ArcGIS

CAD: **AutoCAD**, AutoCAD Civil 3D

Report: **L<sup>A</sup>T<sub>E</sub>X**, Ms. Word

Plotting: **Ms. Excel**, Gnuplot, Inkscape

## Education

2014 - 2018 **Bachelor's in Civil Engineering**, *Institute of Engineering*, Pulchowk, Lalitpur.

Final year project work on: 'Prefeasibility Study of Sunkoshi Small Hydropower Project'

### Test Scores

**GRE** 329 (Quant-169; Verbal 160)

**TOEFL** 107 (Reading-29; Listening-28; Speaking-23; Writing-27)

## Professional Experiences

2019 OCT - **Senior Software Engineer**, *Eydean Inc.*, Kathmandu, Nepal.

present Works related to Data Science, Machine Learning, Artificial Intelligence & Web Development.

2018 NOV - 2019 **Civil Engineer**, *TAC Hydro Consultancy Pvt. Ltd.*, Lalitpur, Nepal.

AUG Design/Drawings/Report preparation of hydropower components; Generation of 3D models; GIS analysis, etc.

2018 DEC **AutoCAD Civil 3D Instructor**, *CESS-IOE*, Pulchowk, Nepal.

7 day training program organized by Civil Engineer's Student Society (CESS).

2018 OCT - 2018 **Intern**, *Butwal Sub-Metropolitan*, Butwal, Nepal.

NOV Worked on Municipal Drawings, Urban Road plannings, Estimating, etc.

## Publications

Gaurav Atreya and Narendra Man Shakya. Determination of Forces on Anchor Blocks and Stability Analysis in a 3 Dimensional Plane with Vector Approach. *Nepal Journal of Civil Engineering*, 1(1):19-32, 2021.

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