

Gaurav Khatri

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Profile

A communicative, encouraging team player who presents ideas effectively and is able to assist others efficiently. Experienced in programming with an interest in Machine Learning and Artificial Intelligence.

Skills/Programming Languages

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| <ul style="list-style-type: none">❑ Good experience with Python and it's libraries❑ Working knowledge on C and C++❑ Basic Knowledge on SQL | <ul style="list-style-type: none">❑ Certified on Artificial Intelligence offered by Columbia University on Edx❑ Completed Machine Learning course by Columbia University on Edx |
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Education

2007 - 2012
SLC : Readers' Public High School, Gulmi, Tamghas
Passed with Distinction - **87 %**

2012 - 2014
Science (HSEB) : Nepal Mega College, Babarmahal
Passed with Distinction - **82 %**

2014 - 2018
B.E Electronics and Communication Engineering : IOE, Pulchowk
Ongoing - **80.2 % (7th Semester)**

Projects / Experience

❑ Code Breakers – C++ Project , 3rd Semester (2015)

We designed a board game based upon real strategy game Mastermind using C++ and SDL . I was tasked with programming the game logic and it's level structure.

❑ **Object Tracking Camera System - Minor Project (2017)**

Developed a Camera system that could track objects based upon their color and shape. I was responsible for programming the detection/tracking of objects based on input parameters and implemented it with Python and OpenCV library.

❑ **2048 AI Solver (2017)**

Programmed 2048 AI Solver that accomplished score greater than 1024 80% of time using 4 different heuristics.

❑ **Visual Assistance Using Automatic Image Captioning - Major Project (2018)**

With this project, we are intending to provide visual assistance to visually impaired persons using Automatic Image Captioning model based on **Attention Model**. I am tasked with the implementation of **RNN** architectures based on the input from **CNN** extracted features.

❑ **Construction Estimation App - Creative Solutions Pvt.Ltd (2017)**

Designed an estimator app for buildings that could estimate number of bricks and total cost for design specifications given.

❑ **AI Fellowship - Fusemachines (2017)**

Selected for scholarships on **AI Micromasters** course offered by **Columbia University** on **Edx**.

Extra Curricular Activity Highlights

❑ **Campus Director - Hult Prize Foundation (2017-2018)**

Worlds largest student competition and social business accelerator supported by former U.S. President Bill Clinton. As a Campus Director, I was tasked with organizing the Quarter Final Rounds at Tribhuvan University and coordinating with international teams.

❑ **Marketing Manager - LOCUS 2018 (2017-2018)**

I handled the Marketing Department for largest college level exhibition of Nepal at IOE, Pulchowk Campus.

❑ **Organizing Committee - IOE Robocon, Journey to Mustang (2016)**

Awards and Recognitions

❑ **Top 20 Global Campus Director - Hult Prize 2018**

I was rewarded as the **Top 20 Campus Director** for Hult Prize 2018 among **1000 + Campus Directors** worldwide for my outstanding contribution and organizational capabilities.