

# **Ashish Jaiswal**

Software Engineer

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I am a college senior at Kathmandu Engineering College and work as a Software Engineer at Insight Workshop.

## **WORK EXPERIENCE**

# **Software Engineer Insight Workshop**

04/2018 - Present

Kathmandu, Nepal, 44600

Achievements/Tasks

- Develop web apps in Django and Angular
- Work with AWS services

# **Machine Learning Engineer Trainee** Insight Workshop

12/2017 - 04/2018

Kathmandu, Nepal, 44600

- Achievements/Tasks
- Data Science in Python
- Implementation AI & Machine Learning Algorithms in web
- Machine Learning with AWS Services

# Secretary

# Robotics Club, Kathmandu Engineering College

06/2015 - 07/2018

Kathmandu, Nepal

- Achievements/Tasks
- As an acting Secretary of the club
- Involved in Embedded System & Robotics projects

## **EDUCATION & TRAINING**

# Columbia Micromasters in AI (EdX) Sponsored by Fusemachines Nepal

01/2018 - Present

- Courses
- Artificial Intelligence
- Machine Learning
- Robotics
- CGI

# **Web Development in Python**

IW Academy

07/2017 - 11/2017

- Courses
- Python & Django
- AWS Services

# **Bachelors in Electronics & Communication Engineering**

Kathmandu Engineering College

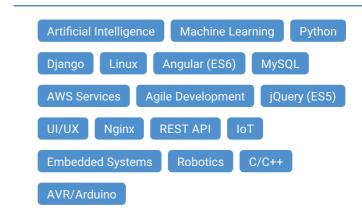
11/2014 - Present Courses

**Embedded Systems** 

Computer Science

Kathmandu, Nepal

# **SKILLS**



# **ACHIEVEMENTS & AWARDS**

## Certification in Artificial Intelligence

Columbia University Online Micromasters Program

Winner - Datathon (Data Analysis Competition) 2018

Fusemachines Nepal

# **Best Engineering Award**

IOE Robocon 2018

#### Fusemachines AI Fellowship

Columbia Micromasters Program - 2018

## Tech Diversity Scholarship

Web Development in Python - IW Academy (Sponsored by Nepal Telecom)

## 1st Runnerup - Krishakcopter (Yantra)

International Drone Competition 2016

# Regular (Full) Scholarship

Bachelors in Electronics & Communication Engineering - 2014

# **LANGUAGES**

Nepali English

Native or Bilingual Proficiency

Music

Full Professional Proficiency

Traveling

Hindi

Professional Working **Proficiency** 

Web Services

# **INTERESTS & HOBBIES**

IoT Data Science Computer Vision

Cricket

# PROJECTS & INVOLVEMENTS

#### IoT in Medicine

Company Project Blood Pressure & Heart Rate Monitoring System Angular SPA powered by Django REST API

#### Computer Vision in Medicine

Client Project
Diabetic Retinopathy Detection from Iris Images
Machine Learning with Python
Image Processing with SkImage

## CMS Web Application

Company Project
Django CMS Application
MySQL Database Server

#### **Business Sales Management System**

Company Project Django Application Celery for handling background tasks Report Builder with Openpyxl

#### KrishiSathi

Final Year Major Project Precision Agriculture Crop Prediction and Care IoT Device and Web Application Machine Learning

## Robotic Arm with Record & Play Feature

Third Year Minor Project Arduino Driven Industrially applicable Autonomous Pick & Drop Arm

#### Innovator at NIC

National Innovation & Research Center Pulchowk, Kathmandu, Nepal

## 2D Box Game with OpenGL (C++)

Personal Project Graphics Library in C++

#### 3-Day Drone Workshop Trainer

Drone Building Workshop from Scratch Autonomous Line Following Robot Kusma Boarding School, Parbat

# Al Projects

- Search Algorithms (BFS, DFS, A\*)
- Adversarial Search & Game (2048 Solver)
- CSP (Sudoku Solver)
- NLP (Sentiment Analysis)

## ML Projects

- Ridge Regression & Active Learning
- Bayes Classifier Implementation
- Clustering (K-means & EM Gaussian)

## Number Plate Detection Project (OCR)

Nepali Numerals Detection with Tesseract Engine Software Category Locus 2015