



Ashish Jaiswal

Software Engineer

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November 04, 1995

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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 apps
- 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

Kathmandu, Nepal

Courses

- Embedded Systems
- Computer Science

SKILLS

Artificial Intelligence

Machine Learning

Python

Django

Linux

Angular (ES6)

MySQL

AWS Services

Agile Development

jQuery (ES5)

UI/UX

Nginx

REST API

IoT

Embedded Systems

Robotics

C/C++

AVR/Arduino

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

Native or Bilingual Proficiency

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

INTERESTS & HOBBIES

Computer Vision

IoT

Data Science

Web Services

Cricket

Music

Traveling

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

AI 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