ASHISH AGARWAL

Computer Engineering Undergraduate

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📍 Pulchowk, Lalitpur 🐦 https://twitter.com/CRLannister in https://www.linkedin.com/crlannister ⬡ https://github.com/CRLannister

Ⓜ https://crlannister.medium.com

PROJECTS

Graphulator

📅 April 2018 – July 2018

- Graphical Calculator i.e 2D and 3D graphs
- C++ with OpenGl Specification

MSC. Routine Management System

📅 November 2018 – March 2019

- Routine Management System for Masters in Pulchowk College.
- Electron framework powered by nodejs. and sqlite for database.

ICTC Modelling

📅 July 2018 – November 2018

- Console based Graphics modelling of ICTC building.
- Modelled object file in blender and programmed in C++.

Skin Cancer(Melanoma) Detection **(Minor Project)**

📅 september 2018 – December 2018

- Detection of a special type of skin cancer called Melanoma on the basis of images and personal data.
- Technologies used were tensorflow with keras, Flutter mobile application, opencv and kaggle for dataset.

Real time pollution data analysis and visualization

📅 september 2018 – september 2018

- working with new and realtime data to analyze and visualize patterns.The data was provided by OKN(Open Knowledge Nepal).
- used sklearn, pandas, numpy, seaborn, matplotlib for the task.

Database modelling for Syllabus Management

📅 July 2019 – october 2019

- Designing relational database for students and syllabus based on departments for IOE, Pulchowk.
- Database was created in postgres.

SKILLS AND TECHNOLOGY

Web Development   Linux
Mobile Apps (IOS/Android)   Git
Desktop Apps   Machine Learning/AI
Azure Cloud   Data Structures
Binary Exploitation   Cyber Security
Cryptography

Proficient -

C++   awk   grep   Python   C
Dart   Electron   Django   HTML
CSS   Numpy   Pandas   Sklearn
Matplotlib   Seaborn   Steganography

Intermediate -

Bash   JavaScript   Bootstrap
Postgres   Sqlite   Tensorflow   Keras
OpenCv   Tkinter   Flutter
Wireshark   Gobuster   sqlmapper
radare   ghidra   BurpSuite   Nmap
Metasploit   Latex

EDUCATION

Bachelors in Computer Engineering
Institute of Engineering(IOE), Pulchowk

📅 May 2017 – December 2020

Percentile - 80 (Aggr.)

HSEB Board
ST. Xaviers' College, Maitighar

📅 May 2014 – May 2016

Percentile - 85

SLC Board
Balmiki Education Foundation, Birtamode, Jhapa

📅 March 2003 – April 2014

Percentile - 85

TRAININGS

Gajabaar Infosecurity Mentorship Program
GAJABAAR

📅 June 2020   📍 Online

- Participated in the Mentorship program on full scholarship. Learned various security pitholes and vulnerable practices that could be avoided. Got a thorough knowledge in Web-applications,Networking,Linux and Cryptography.
- Participated in various CTFs and found many vulnerabilities.

Naamii Winter School in AI
NAAMII

📅 December 2019   📍 Pokhara

- Participated in the winter school and learned Paper learning methods,AI tools and methodology,AI Ethics in Society and 3D-Vision.

IOT Summer School
Coventry University with Softwarica College

📅 March 2018   📍 Kathmandu

- Participated in the summer camp and learned Research methods,Sensing,Monitoring and the Internet of Things.

Asian Regional Meeting (ARM)
Open Access Nepal, Open Knowledge Nepal and SPARC

📅 December 2017   📍 Kathmandu

- Participated in the conference and got training and insights on OA, OER and OD.

Nepal Physics Olympiad: NEPHO
Tri-Chandra Campus

📅 Feb 2017 – June 2017   📍 Kathmandu

- Participated in National Olympiad and ranked 2nd among Top 20.
- Took 3 months Training.

Nepal Astronomical Society: NASO

📅 March 2017 – June 2017   📍 Kathmandu

- Participated in Nationwise Olympiad and secured spot among top 20.
- Took specialized Training and practical experiments.

Nepal Science Olympiad: NESO

📅 September 2016 – November 2016   📍 Kathmandu

- Participated in Nationwise Olympiad and ranked 4th and secured spot among top 20.

EXTRA-CURRICULAR

VOLUNTEERING
ST. Xaviers' College , KTM

📅 feb 2016

Helping earthquake victims in Trauma center. Assisting Schools in rural areas to initiate programs.

ACTIVITIES

ORGANIZING
YOMARI Code Camp 2020

📅 2020

Organizing Yomari Code camp that provided +2 and Engineering students to come up with a product or solution in various fields.Assisting Participants in Technical field such as power management, Manpower optimization and Software failures.

Campus Club
Mozilla, Pulchowk

📅 May 2017

Mozilla campus club helps students of Computer engineering to cope up with different situations by giving them a platform to learn and express. - Great way for interacting .

Volunteer and Technical Supervisor
Helping Hands Nepal, HENN

📅 May 2017   📍 http://www.helpnepal.net/

Setting up linux based low resource consumption distros in schools of remote areas of Nepal.HENN has been looking in 17 remote areas all over Nepal. Also, content helping children to learn in localized Nepali language in the form of websites and app were developed.

BIODATA

Age : 23
Sex : Male
Nationality : Nepal
Ethnicity : Hinduism

Hobbies : Expolring linux Distros' ,Scraping Github repositories , Data analyzing and visualizing ,TV series, Swimming, Cooking, Reading Novels solving hackerrank problems and programming.

Strengths : Willing to work with groups, to learn new things and able to make quick responsible decisions when needed.

ONLINE COURSES

Number Theory and Cryptography (coursera)

Data Communications and Network Services (coursera)

The Unix Workbench (coursera)

Introduction to Graph Theory (coursera)

Introduction to Complex Analysis (coursera)

Machine Learning (coursera)

AI for Everyone (coursera)

Git Essential Training (Udemy)

Collaborative Data Science for Healthcare(Edx)

Mathematical Foundations for Cryptography(coursera)

Think Again II: How to Reason Deductively(coursera)

Introduction to Mathematical Thinking(coursera)

Combinatorics and Probability(coursera)

How to Win a Data Science Competition: Learn from Top Kagglers(coursera)