

HASSAAN ALI WATTOO

410 Rotvig House Bursley Hall, 1931 Duffield,
Ann Arbor, MI 48109-208

<https://hassaanaliw.me> | +92 3214497861 | hassaanaliw@gmail.com

EDUCATION

2017 - present

University of Michigan, Ann Arbor.

Bachelors of Engineering, Computer Science

2005 - 2017

Aitchison College, Lahore

GCE O'Levels and A'Levels
DELTA A2 Level French Certification

HONORS AND ACHIEVEMENTS

2005-2017

President of Pakistan Gold Medal

Aitchison College, Lahore

Based on my academic performance across my twelve years at Aitchison, I was awarded the President of Pakistan gold medal for Best in Academics in the Class of 2017.

2015, 2017

Full Academic Blazer (GCE O-Levels and A-Levels)

Aitchison College, Lahore

Was awarded the Full College Academic Blazer twice for high academic achievement in the Cambridge O-Level and A-Level examinations.

EXTRA CURRICULARS

2016 - present

Director of Information Technology

Next Generation Pakistan

Sole website developer and manager for the organisation (<http://www.ngp.org.pk>).
Also perform duties as a graphic designer including designing posters.

2016 - 2017

Volunteer teacher at Umair Hussain Public School and Almas Zaka School

Next Generation Pakistan

Taught problem solving and drama to underprivileged children from the Samsani Basti (slum) area at UHPS. Taught Mathematics and Social Studies to underprivileged children at Almas Zaka.

2015 - present

Director of Information Technology for National Events

Aitchison College Model United Nations, Aitchison College ArtFest, Aitchison Business Concept

Served as the director of IT for several national level events at Aitchison. Duties included designing and coding websites, coding registration forms, designing posters and documents, automating ID card creation and managing all IT related matters during the course of the events.

EXTRA CURRICULARS

July-August 2015

Software Developer (Internship)

Systems Limited Pakistan

Paid internship as part of the Java developer team at Systems Limited where I worked on web based authentication systems for a client web application.

March 2016

First Prize, Web Development category

FAST SOFTEC 2016

Won the web development category at a national, university level competition by developing an eCommerce website in Python (Django). Cash Prize of PKR 50000.

PROJECTS

April - Aug 2017

CaptionBot

A Javascript and Flask (Python) based web application that leverages Google Vision APIs and scrapes popular quotes websites and lyric websites to generate image captions based on objects present in the image

<https://projects.hassaanaliw.me/captions>

March 2017 - Ongoing

Misbah Bot

A Flask (Python) based personal Facebook Messenger bot that is a collection of useful functions such as getting lyrics to songs, using the CaptionBot API, reading popular comics such as XKCD and much more.

<https://www.youtube.com/embed/HxBzd2FgZkg>

2014 - Ongoing

Chromepass / ChromeFreak

A Python script for extracting passwords saved in the Google Chrome browser on both Windows and Unix based systems and outputting them to CSV for easy backup and movement. Involves using the Win32Crypt API and part of a larger forensic software for the Google Chrome browser.

<https://github.com/hassaanaliw/chromepass>

<https://github.com/OsandaMalith/ChromeFreak>

SKILLS

Skills

Proficient in Python, HTML, CSS and JavaScript
Basic Proficiency in Photoshop, Microsoft Office, Java, Android Development
Working knowledge of Swift
Indepth knowledge of working on Heroku