

Ahmed Hamdy Nouraldeen Abdellah

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EDUCATION **B.Sc. in Electrical Engineering, Computers and Control Systems** Sep 2013 – Jul 2018
Assiut University, Egypt

- Cumulative Grade: 85.7% (3.91 GPA), Excellent with Honour.
- Graduated as 3rd top student of the class.
- Graduation Project Grade: Excellent.

PROJECTS **Arabic Multiclass Classification - Classical approach**
Arabic Classifying Text with Deep Learning
Arabic Clustering Documents.

- <https://github.com/Ahmed-H-N/NLP>

Robot Navigation Using Monocular Vision, (Graduation Project) Sep 2017 – Jul 2018
Autonomous robot with a C++ tool for navigating an unknown environment. The main objective of this tool is to segment a real-time video stream and extract the 3D information from it using a new technique called Region-based Deformable Net for monocular robot navigation.

- Created and developed algorithms from scratch using C++ to segment an image.
- The Software extracted the depth information accurately with an absolute error less than 5%.

SKILLS **Programming Languages:** C, C++(3 yrs), Matlab(2 yrs), Python(1.5 yr).
Machine Learning Stack: Scikit-Learn, Numpy, Pandas, Keras, Jupyter Notebook.
NLP: NLTK, Beautiful soup, Regular expressions.
Problem Solving: Gold Medal for problem solving at Hacker Rank
Writing Tools: Microsoft Word, \LaTeX , Markdown.
Soft Skills: +10 Presentations during university period.
Other Skills: Emotional intelligence, creative thinking, time management and communication skills.

ONLINE COURSES **Sequence Models** dec 2019
Coursera

- Built RNN, GRU, and LSTM from scratch.
- Introduced to the concept of Word Embeddings and reducing its bias.

Neural Networks and Deep Learning dec 2019
Coursera

- Building Deep Neural Networks from scratch.

Machine Learning Nanodegree Sep 2019
Udacity

- Model evaluation and validation, supervised learning, deep learning, unsupervised Learning, reinforcement learning, machine learning capstone.

Scientific Methods and Research (Audit only, No Certificate) Apr 2019
UrFUX, edx.org

- Research Process, Literature Review, Objectivity and Subjectivity, Induction and Deduction.

Blog **Ahmed Hamdy's Blog**

- Started a blog to share my thoughts on Machine Learning, Software Engineering, Natural Language Processing, and Arabic Language.
 - ahmed-h-n.github.io

**STUDENT
ACTIVITIES AND
VOLUNTEER
EXPERIENCE**

Student Advocate for the AI Programming with Python Nanodegree Nov 2019 - Present
Udacity

- Currently volunteering as a student advocate for the AI Programming with Python Nanodegree at Udacity.
- Work as mentor for 400 students on slack channels.
- Give webinars to walk students through the projects of their course.
- Give help for students to finish their Nanodegree and not drop out by supporting them technically as well as making the learning experience fun and enjoyable.

EISH LEL NAS Charity Organization (live for the people) Sep 2016 - Aug 2017

- Search for the poor
- Provide them with micro-small projects to alleviate their poverty.
- Monitor these projects.

Educational Video Maker on YouTube Oct 2014 - Aug 2016

Engineering and Electric Engineering videos.

- Made video series on electric engineering testing (more than 10k views).
– <https://www.youtube.com/channel/UCaH2g2FYwhsXhRD1VGfJHaA>
- Made a video about the life and study in the faculty of engineering (more than 95k views).
– <https://www.youtube.com/watch?v=s94XYFiTxHA&t>
- Made video series, along with the TA's, to guide the students in determining their specialization in the Electrical Engineering department (more than 20k views).
– https://www.youtube.com/playlist?list=PLvrdC5c8Ifn7cnLeygVUBdEfdOL_sNxjR

Co-Founder of Book-Club at Engineering Faculty 2014

- Regular meetings to discuss several books.
- Urge students to read and stress the importance of reading.

AWARDS

Distinctive Students Award in Faculty of Engineering 2013 - 2018

Awarded every year for students having overall excellent grades.

Top 5 Ideal Students in Assiut University 2016

Awarded to distinctive students who are active , participate in sport events and having leadership characteristics.

Makkah-Region Mathematics Competition For Schools (Gold Medal in Individuals) 2008

Mathematics competition among top students in the schools of Makkah region in Saudi Arabia which consists of 17 governorates.

- Was the only representative for my school for the 7th grade students (1st preparatory).

ACHIEVEMENTS

Full Mark at Arabic Final Exam at 2nd Year of "Thanawya Amma" in Egypt 2012

- This is considered a big achievement in Egypt because it is almost impossible to get full mark in this exam.
- Only 0.06% of the students got this mark (300 students out of 500,000)

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