

MOHAB M. ELSHEIKH

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WORK EXPERIENCE

- **Arch17, Intern (Nov 2017 – Mar 2018)**

- Remote Backend Developer, Intern with a team to design and build the backend system of Arch17's main e-commerce website.

- Tech stack:** PHP, MySQL, CodeIgniter, HTML/CSS/JS, JQuery.

EDUCATION

- **Mansoura University**

2014 – 2018

- B.Sc., Faculty of Computer and Information Science, Computer Science department.

- **Projects:**

- AI agent to solve Knights Tour Using IDS Algorithm.
- Image Processing: Segmentation Using Otsu Threshold Method.
- Design Programming Language using GOLD Builder System.
- Simple Video Sharing Website using PHP.
- NLP tool: text prediction and spelling correction.

SELECTED PROJECTS

- **Arabycia:** An open source Arabic NLP tool used to perform Transliteration, Sentence diacritization, Text Search, POS tagging, and Translation.
 - **Tech stack:** Python, NLTK, Pyramorph, Tashkeela.
- **StockNN:** An open source stock prices prediction project using neural network models (Backpropagation, RNN LSTM, and RBF) implemented in keras with Tensorflow backend to predict the daily closing price.
 - **Tech stack:** Python, Keras, Scikit-learn, Numpy, Pandas, Matplotlib.
- **pystocklib:** Python package for Stock Market analysis. (Historical Data, News analysis, Empirical Mode Decomposition, etc.)
 - **Tech stack:** Python, Numpy, Pandas, Textblob, Matplotlib, bs4, tld.
- **CITerm:** An open source Terminal for CodeIgniter, used to generate customized models, views and controllers.
 - **Tech stack:** Pure PHP.
- **INetSC:** An open source tool used to Crawl & Scan Websites.
 - **Tech stack:** Python, python-whois, nmap, bs4, tld.

QUALIFICATIONS

- **Programming:** Python, C++, C#.
- **Databases:** MySQL, SQL Server.
- **Web Development:** PHP, CodeIgniter, Bootstrap, Javascript, jQuery, HTML/CSS.
- **Problem solving:** Solved 200+ algorithmic & mathematical problems on multiple online judges.

ACTIVITIES

- Public Relations Volunteer at ACM Mansoura SC. (2016-2017).
- Participated in SnackDown 2017 CodeChef - May 2017
- Participated in A2OJ Code battle Wuzzuf - Aug 2017
- Trainee at PST {Problem solving program for beginners}. (2017)
- Summer Internship at ITI Mansoura {Open Source Development} (Jul 2017 – Sep 2017)
- Contributed to Falcon & naftawayh.