Mansoura, Egypt
LinkedIn | GitHub

MOHAB M. ELSHEIKH

(+20) 1022500798
mohab.elsheikh@gmail.com

EMPLOYMENT

Backend Engineer	**Arch17**	**Jul 2018 – Present**

- Arch17 (based in Shenzhen, China) is a web portal for architecture and construction services, which connects professional suppliers and customers. Arch17 provides B2C B2B, and C2B online sales services.
- Implemented a notification system in which a pop-up message displayed the latest activity for a user.
- Extended, maintained a shopping cart system enable users to make purchases online
- Developed a search engine with advanced feature for arch17 ecommerce website.
- Enhanced, maintained the business center system that enable users to add & edit their products.
- Implemented a custom module to handle Redirection & Referrer.
- Tech stack: PHP, MySQL, CodeIgniter.

Backend Engineer, Intern	**Arch17**	**Nov 2017 – Mar 2018**

- Remote Web 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, Bootstrap, AJAX.

EDUCATION

Mansoura, Egypt	**University of Mansoura**	**2014 – 2018**

- Premaster, Faculty of Computer and Information Science, Computer Science department. (2018-2019)
- B.Sc., Faculty of Computer and Information Science, Computer Science department.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Artificial Intelligence; Engineering Entrepreneurship; Calculus.
- 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

- **DeepForecasting** (2018). Stock Market Decision Support System using Deep Learning & Sentiment Analysis. Tech stack: Python; Keras; PHP; Scikit-learn; Numpy; Pandas; Matplotlib; Textblob.
- **Arabycia**: (2018). Arabic NLP tool used to perform Text Search, POS tagging, Translation, and diacritization. Tech stack: Python, NLTK, Pyaramorph, Tashkeela.
- **pystocklib**: (2018) Python package for Stock Market analysis. (Historical Data, News analysis, Empirical Mode Decomposition, etc.)
Tech stack: Python, Numpy; Pandas; Textblob; Matplotlib.
- **StockNN**: (2018) An open source stock prices prediction deep learning project (Backpropagation, RNN LSTM, and RBF neural network) implemented in keras with Tensorflow backend to predict the daily closing price.
- Tech stack: Python, Numpy; Pandas; Keras.

ADDITIONAL EXPERIENCE AND AWARDS

- **IbTIECar Innovative Projects:** Shortlisted & Qualified to the Final Round of IBTIECAR2018 competition for the AI and Federated Machine Learning Track. (2019)
- **Problem solving**: Solved 200+ algorithmic & mathematical problems on multiple <u>online judges</u>.
- Public Relations **Volunteer** at ACM Mansoura SC. (2016-2017).
- Participated in **Problem solving competitions** SnackDown (2017) & A2OJ Code battle (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. (Open Source Projects)

Languages and Technologies

- PHP; Python; C++; C#.NET; SQL; JavaScript; JQuery; Bootstrap; AJAX; JSON; Django; Keras; Linux; Machine learning; Pytorch; Algorithm; Data structure; Web Development; Agile Development.
- Visual Studio; Microsoft SQL Server; Anaconda; XXAMP; phpmyadmin; Git; MySQL Workbench.