Muhammad Adnan

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Work Experience

Software Engineer - Seleniumray   (Jun 2018- Feb 2019) **(9 Months)**

Responsibilities:
- Meetings with business stakeholders and management to understand and refine business and functional requirements
- Working quickly and carefully to complete edits requested by clients, and planning for completing larger projects and collaborating with colleagues.
- Creating well-designed, tested code
- On-site optimization of website

Achievements:
- Working remotely with **International clients**
- Training and **leading 3-5** interns
- Learned team collaboration and **project management tools** like **Asana** and **Slack**.

Research Assistant - AIRL (Artificial Intelligence Research Lab) KICS (Dec 2016 – Jun 2018) **(1 Year 7 Months)**

Responsibilities:
- Research and evaluation of existing solutions to the problem
- Implementation of research work methodology
- Working on OCR of Images, Table Structure Recognition and Extraction
- Working on Custom P & ID Symbols Recognition

Achievements:
- Co-Author of Research work published in International Conference (**ICDAR** 2017)
- Trained 1-3 Interns
- Learned Basics of **Machine Learning** and **Deep Learning**

Developer, Software Analyst - Swift Vertical   (Jul 2017 - Jan 2018) **(7 Months)**

Responsibilities:
- Working on WordPress E-Commerce, Multi-Site, Gravity Forms, Gravity Flow, Woo Commerce Multi-Vendor projects
- Woo Commerce Multi-Vendor
- Integration of different web services
- Automating tasks using Zapier and IFTTT
- An analyst for technical issues

Achievements:
- Learned **Trello Project Management** Tool
- Learned Different aspects of **WordPress**
- Received extra bonus for Outstanding work
- Learned Integration of different services

Internee - UET Game Studio   (Jul 2016 - Aug 2016) (**2 Months**)

Achievements:
- Improvement in logic building by working on real problems
- Learned **RedBooth Project Management Tool**
- Learned **Lua Language**
- Learned Basics of **2D Game development**
- Learned Basics of **Corona SDK** (Framework for 2D Games)

Academics

B.Sc. (Hons) Computer Science   (2015 -2019)
University of Engineering and Technology (UET), Lahore
CGPA: 3.4

ICS   (2013-2015)
Garrison Grammar Higher Secondary School, Multan
Percentage: 84%

Matric in Science   (2011-2013)
Govt. High School Punjani, Shujabad
Percentage:84%

Professional Skills

Python, C++, JAVA, C#, Lua, R, Php, MySQL, MS SQL

ASP.Net MVC, Laravel, WordPress, HTML, CSS, JS, Bootstrap

Windows Forms, NetBeans JForms, Weka, Deep Learning Studio

Android Studio, SQL Server, XAMP Server, Visual Studio

Git, Asana, Trello, Slack, RedBooth,

Communication, Working with International clients

Term Projects

- Spatio Temporal Real-time Human Activity Recognition (**FYP**)
  - "To examine the single human activities, interaction with human and object to predict the suspicious activities in real time and numerous environment"
- Classification of MNIST Dataset of Handwritten Digits
- Sentimental Analysis of Tweets
- Prediction of Rain using Weather Dataset
- Classification of Plant using iris dataset
- Rubricon Android Studio project for Lab Evaluation on Defined Rubrics
- Informatron Android Studio Project to get Maximum Device hardware and software related Information.
- Music Player for Android
- Online Banking System Using Laravel
- HR Manager Web Application using Laravel.
- BeMyHands a web applet for disabled people, using text to speech and speech to text technology.
- School Management SAAS using ASP.Net MVC
- Procurement Solution Windows Forms
- Admissity UET, UET Admission Controller Automation and Merit List Generation on Windows Forms
- CGPA Calculator UET using NetBeans JForms
- BMI Calculator using Net Beans JForms
- Tweetitious (Twitters Trends, WordCloud) on Shiny Web App in R Studio using twitter API
- Linkedcope (Companies information using LinkedIn API) on Shiny Web App in R Studio
- Redundancy and plagiarism Reporter using C++ Data Structures
- AAS Photo Studio Desktop Application in C++ OOP on Qt Creator
- Big Integer Class in C++ OOP

Other Projects

- **ASP.net MVC**
  - LMS (Online Library Management System)
  - Blog
  - eWomen Waste Management
- **Python Desktop Applications**
  - **Table Recognition:** A Software which processes the Images of documents and identifies the structure of the Table if present and Extracts the Table Data after OCR from the table to HTML format.
  - **OCR Utility:** An Application Which Processes Images in Bulk and Generates the CSV Files with Words and corresponding Bounding Box information.
  - **Twitter Bot:** A Twitter Bot using Twitter API which Schedules the Tweet, Send Replies to All followers on a tweet, Send Single Tweet to Followers Depending upon the Limits of Twitter. Demo: https://www.youtube.com/watch?v=_vrHsDAkez4
  - **Custom Object Detection:** Detection of Custom P & ID symbols using SVM and Tensorflow Faster-RCNN.
  - **Sentimental Analysis:** An Application Which Searches some Number of Tweets of given Hashtag or Keyword and them Perform Analysis to tell either it uses Negative or Positive Views.
- **Core PHP**
  - Bank Rank Evaluation System in Chinese
  - Job Application: Simple Online Job Application Website.
  - Mobile POS
- **Laravel**
  - **Mobile POS:** Conversion of Existing PHP Mobile POS to Laravel.

- o **Banquet Management System:** A Banquet Hall Management System
- o **Radix CRM:** A CRM for Immigration Agency
- **Many Projects on WordPress, Shopify, Big Commerce**

Workshops and Seminars

- 3 days' workshop on Azure technologies organized by MSP UET Chapter at UET Lahore
- Code Hour Workshop Organized by MSP UET Chapter (**as a trainer of HTML/CSS**) at UET Lahore
- Graphics Designing Workshop Organized by MSP UET Chapter at UET Lahore
- Imagine Cup Seminar Organized by MSP UET Chapter at UET Lahore
- Azure Technologies Workshop Organized by MIC Lahore at Arfa Technology Park
- Power of Cloud Pak Workshop Organized by MIC Lahore at Hotel Hospitality Inn
- Android App Development (MIT App Inventor) Workshop (**Trainer**) Organized by MSP UET Chapter at UET Lahore
- Workshop on WordPress e-Commerce Websites with Domain and Hosting (**Trainer**), Organized by MSP UET Chapter
- Speed Coding Challenge Competition(**Organizer**) Under the Umbrella of Software Square UET Lahore.
- Github Open Source Hacktoberfest Meetup by WordPress Pakistan Community
- WordPress JS and Gutton Block Meetup Organized by WordPress Pakistan Community.
- Hackathon Organized by Techhub Connect and Plan9 at Arfa Software Technology Park.
- 2-Days Startup Weekend 2018 Lahore at LUMS

Achievements

- **Co-Author** of a **research publication**
  (Table Recognition in Heterogeneous Documents using Machine Learning
  http://ieeexplore.ieee.org/abstract/document/8270063).
- Bronze Medal BISE Multan General Science Group Inter 2015
- **Student Ambassador for the Google** Publishing Pakistan Event at UET
- Runner up for the Programming Challenge Competition 2016 Organized by ASME UET
- Winner of the Programming Challenge Competition 2017 Organized by ASME UET
- Microsoft Office (2013) Specialist Certified
- Runner Up **APITHON** Chapter I at NIC LUMS Lahore.
- Winner JS BANK **Open API Challenge** APITHON Chapter II at NIC Islamabad

Certification

- Microsoft Office (2013) Specialist Certified
  (https://www.youracclaim.com/users/muhammad-adnan.5752df66/badges)
- Introduction to R (https://www.datacamp.com/profile/adnanmuhib)

Societies

- President of Software Square UET Lahore (2017-2018)
- Development Head Microsoft Student Partner UET Chapter (2016-2018)
- Member of UET Literary Society (2015-2017)