Irshad Khan

Computer Engineer

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OBJECTIVE:

Looking for an organization where I can excel professionally in vision of my educational backdrop and skills. To realize my true potential by working in an environment that is conducive to hard work, development & research oriented.

ACADEMICS:

B.Sc. Computer Engineering: NUST College of E&ME, Islamabad	CGPA 3.08/4.0	2015-2019
F.Sc. (Pre-Engineering): Govt. Post Graduate College of science, Faisalabad	84%	2012-2014
Matriculation: Govt. Laboratory High School, Faisalabad	76%	2010-2012

Professional Work Experience:

- **W3 Helper-Programming Solutions**   [March 2020-present]

  W3 Helper-Programming Solutions develop responsive websites and run digital marketing campaigns Our motto is delivering a quality services with custom business supports to clients. I am currently working as **Front End Developer** in its designing and developer Team. My professional experience has helped me gain excellence in:
    - Developed code to convert design wireframes into website elements under supervision
    - Used frameworks for front end development such as Bootstrap, design software such as Photoshop and Dreamweaver and programming languages such as HTML and JavaScript
    - Designing web applications and gained skills in aligning designs with client requirements
    - Fixed front end bugs (HTML, CSS, JavaScript errors).
    - Created and implemented a custom CSS grid system, with CSS media queries for mobile responsiveness.
    - Created multiple websites including portfolio websites and E-commerce sites
- **National Institute of Electronics (NIE), Islamabad**   [July 2018 – August 2018]

  National Institute of Electronics is a premier design and development organization in the fields of Electronics in Pakistan. During Internship at NIE, I had opportunity to learn:
    - GPS OBD II Tracker Configuration.
    - OBD2 GPS trackers are plug-and-play GPS tracking devices installed directly into a vehicle's onboard diagnostics port.
    - Professional exposure by working with team.

Final year project:

- **Implementation of 5G Physical Layer on SDR:**

  Implemented Filter Bank Multicarrier Modulation (FBMC/OFDM-OQAM) Scheme On Software Defined Radio.
    - USRP N200 will be configured with GNU and MATLAB.
    - Basic modulation schemes will be implemented.
    - Complete FBMC transmitter and receiver is implemented on GNU Radio

SEMESTER PROJECTS:

- Developed the firmware for Automated Vehicle Movement Based Street Lighting System using PIC18-F458 Microcontroller to acquire real time ADC data and developed LED switching drivers (switching the street lights only when a vehicle will pass by it)
- Created Database for hospital management system using SQL server (HMS is for computerizing the working in Hospital To Provides easy and effective storage of information related to patients)
- Implement RSA Encryption using C++ (RSA is an asymmetric cryptography algorithm which works on two keys-public key and private key.)
- Modeling and rendering of dining complex of NUST using Blender
- Python Implementation of automatic Tic Tac Toe game using random numbers (By using two Python modules Numpy and random)

- Create a Responsive Website using HTML, CSS and Bootstrap (Multi device site)
- Create an E-Commerce Website using WordPress
  (online shopping store on WordPress using WooCommerce.)

Certification:

- **Frontend Fundamentals**   [Issued by: Pirple]
  (Introduction to HTML and CSS, tools JS bin, Sublime text)
  https://www.credential.net/2b4c678d-5df9-4e0d-b79e-3f7932dc9396
- **WordPress**   [Issued by: DigiSkills | Authorized by: VU]
  (Install and use different WordPress plugins, Add and delete multimedia items using WordPress platform,
  Setup an Ecommerce site using Woo Commerce)
  https://lms.digiskills.pk/MyResults/MyResults.aspx
- **Python for Data Science and AI**   [Issued by: Coursera | Authorized by: IBM]
  (Data Science, Python Programming, Numpy and Pandas)
  https://www.coursera.org/account/accomplishments/certificate/UFW2VJG434TH
- **What is Data Science**   [Issued by: Coursera | Authorized by: IBM]
  https://www.coursera.org/account/accomplishments/certificate/ATXX8FXSNRAP
- **Open Source Tool for Data Science**   [Issued by: Coursera | Authorized by: IBM]
  (learn about Jupyter Notebooks, RStudio IDE, Apache Zeppelin)
  https://www.coursera.org/account/accomplishments/certificate/8XW57U5VFQNQ
- **Database and SQL for Data Science**   [Issued by: Coursera | Authorized by: IBM]
  (Create and access a database instance on cloud, basic SQL statements, Access databases from Jupyter using
  Python and work with real world datasets)
  https://www.coursera.org/account/accomplishments/certificate/P6NGVAZP38HV
- **Python for Financial Analysis**   [Issued by: Coursera | Authorized by: The
  Hong Kong University of Science and Technology]
  (Statistical Analysis, Financial Data Analysis, Data Visualization)
  https://www.coursera.org/account/accomplishments/certificate/H9PLB2G59TLP
- **Introduction to Big Data**   [Issued by: Coursera | Authorized by: The
  University of California San Diego]
  https://www.coursera.org/account/accomplishments/certificate/V6SKTXQ4RML8
- **AI For Everyone**   [Issued by: Coursera | Authorized by:
  deeplearning.ai]
  (Workflow of Machines Learning Project, AI Terminology, AI Strategy)
  https://www.coursera.org/account/accomplishments/certificate/PD4JNHACM97J

- **Front-End Web UI Frameworks and Tools: Bootstrap 4** [In progress]

CO-CURRICULAR ACTIVITIES:

- Recitation, Hiking & Traveling, Playing Games (Cricket etc.)
- Learning with Computer Applications / Internet Surfing / MS Office
- Executive Member of SAS EME

Skills & Tools:

- Python (NumPy, Pandas, Matplotlib)
- Knowledge of SQL and Databases.
- C, C++ and Object Oriented Programming
- Proficiency in CSS3, HTML5, Bootstrap and WordPress
- Proficiency in JavaScript libraries and frameworks
- Knowledge of responsive and mobile design
- Understanding of web development process (design, develop, deploy)
- Graphic designing (Blender, Unity3D)

INTERESTS:

Newspaper| Watching Football, Cricket, Hockey | Socializing | Extra-curricular activities | Playing Cricket|