

Irshad Khan

Computer Engineer

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Faisalabad.

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	Percentage 84%	2012-2014
Matriculation: Govt. Laboratory High School, Faisalabad	Percentage 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 service 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:

- Built an Automated Vehicle Movement Based Street Lighting System using PIC18-F458 Microcontroller (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 Provide 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 a 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/8XW57U5VFQNO>
- **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|