AFFAN MUSTAFA CHOHAN
Telecommunications Engineer

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PROFESSIONAL SUMMARY
- Energetic and diligent Telecommunications Engineer who actively looks for challenges and opportunities to learn
- Stays up to date with all advances in the field and the market trending networking protocols
- Able to recognize the importance of adhering to deadlines while ensuring rigorous compliance with all deadlines
- Stay organized and focused in high pressure environment
- Articulate creative and effective solutions to problems

OBJECTIVE
Acquiring a challenging position at a company which allows me to utilize my critical thinking and problem-solving skills in design and troubleshooting of electrical processes, networks and help the company realize their goals.

EDUCATION

Cloud Computing and Mobile Web Computing   September 2019 - Present

Studying in a PIAIC (Presidential Initiative for Artificial Intelligence and Computing) course for Cloud Computing.
Relevant Courses: Linux, Docker, Kubernetes, HTML, CSS, NodeJS, React, JavaScript and more.

COMSATS University Islamabad   Sep 2016 – Sep 2020

BSc Electrical (Telecommunications) Engineering
Relevant Courses: Electronics, Object Oriented Programming, Algorithms and Data Structures, Power Distribution and Utilization, Microprocessor Systems and Interfacing, Digital Signal Processing, Control Systems, Data Communication and Computer Networks, Project Planning and Management, Digital Communication Systems, Wireless Communication Systems, Telecom Systems Engineering, Telecommunication Policies Standards and Regulations.

EXPERIENCE
Team Leader and Content Generator – Appuals, ShinyLoot, Cliffyb   January 2019 – Present

Assisted the company's editorial and content generation team in setting and devising campaigns to improve the growth and traffic. Conducted on-page search engine optimization and spot-checked content to ensure quality standards are met. Responsible for managing and leading a team of content producers in the tech niche. Making sure that the company's organic growth is optimized and improved with each addition.

PROJECTS
Substrate Integrated Waveguide Based Filter Design for Wireless Devices (2020) – Designed a working bandpass filter based on the SIW technology. Being a scalable filter, it was then tailored for different designs and restrictions that are often encountered in microwave circuits. Bandpass SIW filter, offset SIW filter and half mode SIW filters were designed and successfully operated. Each of these filters can have their parameters adjusted to fit in different circuits which make it electrically impossible for the receiver and transmitter to be parallel to each other. These designs can serve as basis for future implications of said filters in circuits where low loss and easy to manufacture filters are required with specific design requirements.

Signal Operations on DSK6713 DSP Kit (2019) – Performed multiple signal operations such as time shifting, reversal, convolution and circular convolution on the DSK6713 Kit. C Code was written in Code Composer Studio (CCS) and then loaded directly onto the DSP processors. The results were compared and verified with expected results according to calculations.

Bluetooth Controlled Sumo Robot (2018) – Designed and constructed a robot in C and Assembly Language to compete in ROBIAN 2019 Sumo Robo Wars. Developed an app for Android mobile phones that connected to the robot using Bluetooth. Robot was constructed with parameters such as speed, control, stability and power in mind.

PSL Draft for Team Selection and Matchmaking (2017) – Created a program in C++ language to draft players onto a team on the selection of highest bids. Players were then formed into a team for the teams to be drawn into matches. Different classes were

used with security measures installed to limit access to the database and user information.

ADDITIONAL SKILLS AND EXPERIENCE
- MS Office, Visio, Adobe Photoshop
- Proteus, LT Spice, XILINX, MATLAB/Simulink, Packet Tracer, GNS3, PuTTY
- Design and troubleshoot networks
- SEO, copywriting, content creation, wordpress
- Teamwork, project management, methodical approach to tasks, creatively and analytically solving problems

HONOURS, AWARDS & EXTRA CURRICULAR
- Director IT for SMAMUN 2014
- Participated in debates as a delegate in 2016
- Committee Chair Parliamentary Debates COMSATS 2017
- Arranged environment conservation sessions for pre-schools with WWF
- Participated in ROBIAN' 17, ROBIAN' 18 and ROBIAN' 19