SAFDAR MUNIR

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OBJECTIVE

Strong technical & methodical aptitude with an innate ability to analyze, coordinate & Synthesize data. Effective communicator with ability to provide leadership in team & build positive, cohesive relationships with all level of staff. Ambitious self-starter, eager to gain hands-on experience in an organization that embraces creativity & innovations.

EDUCATION

BS-Electrical Engineering | COMSATS University Islamabad WAH CANTT Pakistan
Coursework: ITCP, Object Oriented Programming, Algorithms & Data Structures, Operating System, Electric Circuit Analysis, Electronics, Electric Machine, Control System, Microprocessor Systems, Computer Organization, Data Communication & Computer Networks, Digital Signal Processing, Digital Image Processing, Artificial Intelligence

EXPERIENCE

- **Internee |** National Institute of Electronics H9, Islamabad June 23-Aug 8 2016
  Designed Electronics Voting Machine Hardware as well as Software by Election Commission of Pakistan
- **Teacher |** SUFFAH Academy Khayban Sir Syed Rawalpindi 1 Sep, 2016 - 1 July 2018
  Taught computer to Matric, Inter & Bachelor
- **Trainer |** PSDF Centers (Wraich builder, Relacom, Nishat) Feb 2016 - March 2016
  Taught Freelancing & Graphics Designing
- **Trainer |** Brain CAVE Institute of Modern Languages & Technologies
  Taught Graphics Designing & Embedded Systems
- **Trainer |**Workhop Series on Arduino based embedded systems COMSATS University Islamabad WAH
  Arduino based Embedded Systems & Final Year Projects Designing
- **Trainer |**Workshop on Android app development COMSATS University Islamabad WAH CANT
  Arduino based Embedded Systems & Final Year Projects Designing
- **Freelancer |** Fiverr, YouTube Present
  Working as online instructor at Project Consultant for many Industrial & academia Projects
- **Chairperson |** IEEE Robotics & Automation Society COMSATS University Islamabad WAH CANT
  Organized & Manage Workshops, Seminars & Professional Training during my tenure

CORE STRENGTHS

- Strong Analytical & Complex Problem Resolution
- Strategic Data Analysis & Reporting
- Relationship Building & Leadership Skills
- Verilog, VHDL & FPGA
- Electric Circuits Analysis & Optimization
- Microcontrollers & Microprocessors (8051, Arduino, 8086)
- Raspberry Pi
- Control Systems
- Engineering Economics
- WordPress Web Development
- C, C++, JAVA, ANDROID, Python & Assembly language
- Proteus, Multisim & PSpice
- PLC & HMI
- Algorithm & Data Structures
- MATLAB, Simulink
- Graphics Designing
- Computer Networking
- Web Designing
- MS-Office & Windows Troubleshooting
- MS Access & SQL Database

PROJECTS

FINAL Year Project:
  Monitoring Physiological States of object using Wireless Body Area Network
Objectives:

- Real Time Health Monitoring of Patient/Athlete/Moving Subject
- Mobile Application & Desktop Application for Data Visualization & Analysis
- Database Storage in Mobile & Server

Semester Projects Undertaken

- Speed Control of DC motor Using PID
- Solar Coordination
- Smart Stick for Blind Person
- Home Automation System Using GSM
- Dynamic Advance Traffic Light Controller
- A Robotics Car System for Soil Moisture Detection
- Automatic Car parking System (RFID)
- Implementation of Single Inline MIPS 32 Architecture
- Implementation of Ripple Carry Adder in Verilog
- Electronic Voting Machine
- Wireless Sensor Network Using Xbee
- Keypad Door Lock System using 8051

- Agribot Robot
- Obstacle Avoidance Robot
- Home Automation Using Bluetooth
- Line Follower Robot with Real time GUI in C#
- Vending Machine (Smart Shop)
- Vehicle Tracking System
- Automatic Street Lights
- Real Time 4-Way Traffic System using PLC
- Water Level Indicator
- TIC TACC Game C++
- ATM Machine C++
- Hand Gesture Controlled Vehicle
- Calculator in Java

ACHEIVEMENTS / EXTRA CURRICULAR ACTIVITIES

REWARD & HONOUR

- 1st Position BIZZ BUZZ Business Idea Competition
- Chairperson & Founder of IEEE RAS Award
- Best Student Technical Chapter Award
- Emerging Talent, Media Head Award
- Best Volunteer Award by IEEE CUI
- IEEEXtream 24Hour Programming Competition

SOFT SKILLS

- Leadership Qualities & Organizational Skills
- Excellent Teaching Skills
- Time & Stress Management
- Communication skills
- Punctuality & Regularity
- Excellent teamwork Skills

CERTIFICATIONS

- PLC-HMI Certification by ICON System Pvt. Ltd
- CCNA Routing & Switching Certification by EZXPRT
- Become Photographer Certification Lynda.com
- Android Developer by Lynda.com
- Web Designing by Lynda.com

HOBBIES

- Hiking
- Traveling
- Reading
- Photography
- Field Research

WORKSHOS

- MATLAB, Arduino, Formal System Verification, Android App Dev, Digital Image Processing, Cryptography, PCB Designing & Crafting, Labour Day & Hiking, Mobile Game Dev, Web Dev, Adobe Muse, WordPress
- Workshop on Application of Robotics for industrial development of Pakistan
- INSIGHTS Grow Up Personality Development Workshop

SEMINARS

- Technology Awareness & Virtualization
- Cyberthon & Career Planning
- Servers installation
- Women Empowerment
- Islamabad Leadership Summit 2017

Student Member

- IEEE, IEEE RAS, WIE, IEEE, PES
- ACM Society
- COMECS Society

Ambassador

- Shaheen Adventure Club
- IEEE All Pakistan Congress PSYWC'17
- Islamabad Leadership Summit 2017

Volunteer

- IEEE SAB Project, IEEE TACC Project
- Computer Science Week Training, First Lego League

- IEEE ISB Section Congress ISYWYC'17
- IEEE ISB Section Congress ISYWYC'16
- PION'17 PIEAS National EVENT

REFRENCES

Dr. Wilayat Khan, Assistant Professor, CUI WAH, wilayat@ciitwah.edu.pk
M. Kamran Fiaz, Assistant Professor, CUI WAH, kamran@ciitwah.edu.pk