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| **CURRICULUM VITAE** | |
| **Personal Information** | **SHAHAB ALAM KHAN** |
|  | Present: House#187, Street#18,New defense officers colony, Shami road, Peshawar |
| Permanent: House#187, Street#18,New defense officers colony, Shami road, Peshawar |
| [shahabalam94@yahoo.com](mailto:shahabalam94@yahoo.com) |
| +92-345 9424606 |
| +92-345 9424606 (WhatsApp/ IMO) |
| Sex: **Male** | Date of birth: **03/01/1997** | Nationality: **Pakistani** |

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| **Objective** | Seeking a position to get advanced knowledge with a progressive organization that provides an opportunity to do research and contribute in the field of Electronics and Computer. Looking to apply my knowledge as an electrical engineer in providing engineering information when needed and to obtain an electrical engineer position in a dynamic organization, bringing exceptional ability to handle multiple projects with high professionalism. | | | | | | | | | | | | |
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| **EDUCATION** | | | | | | | | | | | | | |
| **Secondary** | **Science**  Peshawar Model School, Peshawar, Pakistan. | | | | | | | | | | (2010 - 2012) | | |
| **Higher Secondary** | **Pre-Engineering**  Edwards College, Peshawar, Pakistan. | | | | | | | | | | (2012 - 2014) | | |
| **Graduation** | **Bachelor of Electrical Engineering (Electronics)**  Bahria University Islamabad, Pakistan | | | | | | | | | | (2014 - 2018) | | |
| **Relevant Courses** | * Linear Control System * Industrial Automation * Linear Integrated Circuits * Basic Electronics * Introduction to Computing * Electric Network Analysis | | | | | * Probability Methods in Engineering * Power Electronics * Numerical Analysis * Signals & Systems * Linear Circuit Analysis | | | | | | | |
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| **ACEDEMIC PROJECTS** | | | | | | | | | | | | | |
| **Semester Projects** | * Home automation using Microcontroller * 4-Way Traffic lights (Ladder PLC) * Mini Refrigerator (via Peltier module) * Water/Battery Level Indicators * Stepper motor controlling (via TB6560) * Line Follower Robot (via IR) * Automated Restaurant management system (via C++) | | | | | | * 4-Way Traffic Controls (Logic gates) * Band Pass Filter implementation on PCB * Automated Car show room (via C++) * RF Controlled Robot * Bluetooth Controlled Robot(via Android) * Water Tank and Motor Automation (via relay) * Automatic Street lights (via LDR) * Heart Beat Detector (via heartbeat sensor) | | | | | | |
| **Final Year Project** | **Vehicle Safety Assist.** (**First Prize in Open House-2018)** | | | | | | | | | | | | |
| * To detect the drowsiness of driver and take counter actions. * To de-accelerate vehicle after detecting the sleep of a driver. * To detect obstacle and apply brakes automatically. * To inform the authorities/feed in contacts in case of accident through text message | | | | | | | | | | | | PYTHON  ARDUINO&SENSOR  LIDAR&ARDUINO  ARDUINO&GSM |
|  | | | | | | | | | | | | | |
| **WORK EXPERIENCE** | | | | | | | | | | | | | |
| **Internee** | HEJ research lab Karachi. | | | | | | | | | | Research Lab | | |
| Research work | | | | | | | | | |  | | |
| **Internee**  **General Secretary** | KEPCO-KPS Plant Service & Engineering Co Daharki.  Operation/ Instruments and Control. | | | | | | | | | | Power Plant | | |
| IEEE Bahria University Islamabad Student Branch | | | | | | | | | | Non Profitable Organization | | |
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| **SKILLS** | | | | | | | | | | | | | |
| **Personal** | * **Languages:**   Urdu.  English.  Pashto. | | | * **Communication Skills**   Conduct orientation sessions. | | | | | | * **Management/Organization**   Leadership skills (class representative).  GS in IEEE (BUIC Student Branch). | | | |
| **Professional** | **Programming Languages** | | | | **Controllers** | | | | **Software’s** | | | | |
|  | * C/C++ * MATLAB * PYTHON | | * Verilog * Ladder Logic * Assembly | | * Raspberry Pi * FPGA/DSP kit * PLC * Arduino UNO * Arduino MEGA | | | | * XILINX * SIMULINK * KEIL * Arduino IDE | | | * Packet Tracer * Code Composer * AutoCAD | |
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| **ACHIEVEMENTS** | | | | | | | | | | | | | |
| **Award/Shield** | 1st Prize of best Final Year Project in Open House 2018 at Bahria University Islamabad. | | | | | | | | | | | | |
| **Certification**  **Certification** | 1st Prize of best Final Year Project in Open House 2018 at Bahria University Islamabad.  1st Prize, Certificate awarded for the best brochure in Open House 2018 at BUIC (Bahria University Islamabad) for Project Vehicle Safety Assist. | | | | | | | | | | | | |
| **Certification** | Certificate of Appreciation in recognition for services provided for C-CODE (International Conference on Communication, Computing an Digital Systems) at BUIC (Bahria University Islamabad) 2017. | | | | | | | | | | | | |
| **Certification**  **Award/Shield**  **Certification** | Certificate of Appreciation in recognition for services provided for IEEE WIE (women in engineering) ILS (international leadership summit) at BUIC (Bahria University Islamabad) 2017.  Awarded Shield for organizing BUIC (Bahria University Islamabad) Open House 2017.  Certificate of Appreciation for outstanding unprecedented contributions for Popularization of Science and Technology in the society 2017. | | | | | | | | | | | | |
| **Certification** | Certificate of Appreciation for the meritorious services and participated in Students’ Week & Cultural show at BUIC (Bahria University Islamabad) 2016. | | | | | | | | | | | | |
| **Certification**  **Certification**  **Certification**  **Certification**  **Certification** | Certificate of Appreciation for attending IEEE PSCSC (Pakistan Student Computer Society Congress) held at CUST (Capital University OF Science & Technology) 2016.  Certificate Awarded for organizing BUIC (Bahria University Islamabad) Open House 2016.  Certificate od appreciation for participating and organizing Automation & Control Systems seminar organized by IEEE Bahria University Islamabad 2016.  Certificate of Appreciation awarded for successfully participating on Folk Cultural Day held at Edwards College Peshawar 2013.  Certificate awarded for 1st Prize on winning volley ball tournament held at PMS (Peshawar Model School) 2012. | | | | | | | | | | | | |
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| **REFEREES** | | | | | | | | | | | | | |
| Imran Fareed Nizami  (Assist. Professor)  Bahria University Islamabad | | Faheem Haroon  (Faculty Coordinator)  Bahria University Islamabad | | | | | | Syed Umaid Ali  (Senior Lecturer)  Bahria University Islamabad | | | | | |
| [imran.farid@bui.edu.pk](mailto:imran.farid@bui.edu.pk) | | [faheem.haroon@bui.edu.pk](mailto:faheem.haroon@bui.edu.pk) | | | | | | [umaid70@gmail.com](mailto:umaid70@gmail.com) | | | | | |