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| **Contact Information**    **Email**  mariumhassan1995@gmail.com  **Address**  R-127 F.B Area Block 1  **Phone**  +923 233309662  **Professional Skills**   * Analytical and Research Capability * Communication skills * Project Management * Leadership/Management Skills * Time Management   (Plan, Organize and Prioritize work)   * Interpersonal Abilities * Event Planning * Creative / Innovative * Conducting Seminars * Result Oriented * Report Writing     **Technical Skills**   * Research and Development abilities * Data Analysis/ Calculations * Circuit Designing * System Protection * Equipment Selection * Operation Analysis * System Monitoring * Instrumentations * Operation and Control * Equipment Maintenance * Troubleshooting * Technical Writing   **Programming Skills**   * Programming languages (C++, Ladder Logic, Behavioral Modeling, Structural Modeling, Fuzzy Logic, Assembly Language, MATLAB, MS office). | Syeda Marium Hasan  Seeking to advance my career with an organization where experiences, abilities and performances may have a positive impact on company’s productivity and growth, resulting in personal growth.    **Experience**  **IoT Engineer**   * Understanding and discovering information about home automation, playing a leading role in an **IoT Department.** * Installation and De-installation of Sensors, actors, relays, dimmers, wiring, cameras etc. * Understanding instrumentation and maintenance process. * Troubleshooting or dépanneuring * Deals with the technicians. * Pursue a supporting role in the **Test and Measurement Department**. * Gaining experience in how to work on Tenders and quotations. * Resolved concerns matters efficiently and expeditiously.   **Techsol Solutions**  D-100 Kda, Scheme 1, Karachi-75350, Pakistan  January-2018 Currently  **Trainee Engineer Internship Program**   * Inferior research and understanding of mechanics and how various parts of machinery interact with each other. * At initial level gained the knowledge of testers boilers, compressors, sensors, actuators, batteries which are used in air crafts. * On very basic level go through the maintenance, repairing and structure of a plane.   **PIA**  Jinnah Int'l Airport-Karachi-Pakistan  July-2016 to August 2016  **Education**  **Master of Engineering**  Industrial Electronics (M.E in IE)  **NED University of Engineering and Technology**  Karachi-Pakistan  In Progress  **Bachelor of Engineering**  Electronics Engineer (M.E in EE),  1st Division, PEC Registered / Certified  **NED University of Engineering and Technology**  Karachi-Pakistan  2017-2018    **Intermediate in Science**  Pre-Engineering (HSC), 1st Division  **Shaheed e Millat Government Collage for Women**  Karachi-Pakistan  2013  **Matriculation in Science**  Computer Science (SSC), 1st Division  **Sunflower Cambridge/High School**  Karachi-Pakistan  2011  **Projects**  **Final Year Project**   * **Smart System for Accident Detection and Rescue Operation**   Whenever a vehicle meets an accident, collection of sensors will detect, this raw data will further pass to a controller, thus the raw data converts in to useful information, through the programming language and interfacing of modules the exact location will detect and rescue can be generated.  **Mega Project**   * **Home Automation**   Using different sorts of sensors, dimmers to perform the desire operations according to the requirement of a home. The interfacing of the electronic component and their installation are included on a high level.   * **Robotic Arm controlling** * **Generation through Solar Panel** * **LFR (Line Following Robot) switching base** * **RFID Base Project** * **Traffic Light Signal PLC** * **Water Level Detector** * **Hazard Gas Detection and Protection Circuit** * **Distance Detector** * **PID base Automation**   **Achievements**   * SPEC 17 (secured 2nd position in circuit designing). * SENTEC 17 (secured 2nd position in circuit designing). * Thesis Paper-Smart System for Accident Detection and Rescue Request,   (Platform-NED University of Engineering and Technology).   * ITEC 17 (Secured 2nd position in logical discussion). * Holding 3rd Position in Open House Exhibition.   **Certifications & Courses**   * NED University, FPGA (Field Programmable Logic Array), 2016 * NED University, PLC (Programmable Logic Control), 2016 * Appxone Institute, ARDIUNO, 2016 |