

SYED AHSAN RAZA

PHYSICS STUDENT

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PROFILE

I am Ahsan, a BS-Physics graduate from USKT and former **President of the Royal Society of Physics USKT**. I am highly skilled in coding, research, team management, leadership, IT, and IoT. I am passionate about working on **IoT projects** and have completed several **research projects**. I have earned IoT, data analysis, and digital marketing **certifications from Google, IBM, and USKT**, which have enhanced my knowledge and expertise.

EDUCATION

IELTS (7.5 BANDS)

Candidate Number (012889)

BACHELOR OF PHYSICS (CGPA 3.16)

University Of Sialkot
2018 - 2022

F.S.C (PRE ENGINEERING)

Sitt College Of Commerce, Sialkot
2016 - 2018

MATRIC (SCIENCE)

Civil Public Boys School Bhopalwala
Sialkot
2014 - 2016

SKILLS

- Leadership
- Presentation
- Proposal Writing
- Coding (PHP , Python , Bootstrap)
- Problem-Solving
- Project Management
- AI Tools
- Strong Communication
- Research & Analysis
- Graphics & Marketing

RESEARCH PROJECTS

- **CONDUCTED A PROJECT ON META-MATERIALS** TO EXPLORE THEIR UNIQUE PROPERTIES AND POTENTIAL FOR PRACTICAL APPLICATIONS, WITH A FOCUS ON DEMONSTRATING THEIR ABILITY TO ACHIEVE INVISIBILITY.
- **INVESTIGATED THE IMPACT OF COSMIC RADIATION ON DAILY DEVICES**, RESULTING IN AN AWARD-WINNING POSTER PRESENTATION AND RECOMMENDATIONS FOR MITIGATION STRATEGIES.
- **CONDUCTED SEVERAL IOT PROJECTS** WITH A FOCUS ON DEVELOPING AN AUTOMATED WATER IRRIGATION SYSTEM THAT DETECTS MOISTURE LEVELS IN THE SOIL TO EFFICIENTLY MEET THE WATER NEEDS OF PLANTS.
- **DESIGNED AND BUILT A ROBOTIC ARM** USING CNC BOARDS WITH NEMA-17 SERVO MOTORS, CONTROLLED BY AN ARDUINO, DRIVER, AND CNC UNIT.
- **DEVELOPED A BINARY COUNTER DEVICE** USING ANCIENT CODING METHODS THAT HAS POTENTIAL MILITARY APPLICATIONS FOR SECURE COMMUNICATION.
- **DESIGNED AND IMPLEMENTED AN IOT-BASED LASER ALARM SYSTEM** AND FIRE ALARM SYSTEM.
- **CONDUCTED PROJECTS ON SOLAR CELLS**, WITH A PARTICULAR FOCUS ON DEVELOPING A PROCESS FOR MANUFACTURING INEXPENSIVE SOLAR PLATES IN PAKISTAN.
- **COMPLETED UNIVERSITY PROJECTS** IN THE FIELD OF PHYSICS, INCLUDING WORK ON **FINGERPRINT-SCANNING GATEWAY SYSTEMS WITH IT STUDENTS**

ACHIEVEMENTS / CERTIFICATIONS

COURSE CERTIFICATE FOR PROGRAMMING IN PYTHON

Certificate ID : XS6DVKgJXWXZ By : Coursera

COURSE CERTIFICATE FOR INTRODUCTION TO BACK-END DEVELOPMENT

Certificate ID : QRRNZPZB48TH By : Coursera

EXCEL BASICS FOR DATA ANALYSIS BY IBM

Certificate ID : XUgWH6PNMFEC By : Coursera

CERTIFICATE OF APPRECIATION FOR WORK ON METAT-MATERIALS

By Department of Physics (University Of Sialkot)

1ST POSITION AWARD FOR POSTER PRESENTATION ON COSMIC RADIATION AND ITS IMPACT ON ELECTRONIC DEVICES

By Department of Physics (University Of Sialkot)

CERTIFICATE OF APPRECIATION FOR WORK ON WATER IRRIGATION SYSTEM

By Department of Physics (University Of Sialkot)

CERTIFICATE OF APPRECIATION FOR CREATING A BINARY COUNTER

By Department of Physics (University Of Sialkot)

COURSE CERTIFICATE FOR FUNDAMENTALS OF DIGITAL MARKETING BY GOOGLE

Certificate id : MCD EFD 4T7 By : Google

ATTRACT AND ENGAGE CUSTOMERS WITH DIGITAL MARKETING BY GOOGLE

certificate ID : M2J5ZVYETE8L By : Coursera

FOUNDATIONS OF DIGITAL MARKETING AND E-COMMERCE BY IBM

certificate ID : KAPMPU5WQWEH By : Coursera

ORGANIC MARKETING: FACEBOOK GROUPS FOR SMALL BUSINESSES GOOGLE

certificate ID : CXEUDHCZLGHY By : Coursera

BUILD A FREE WEBSITE WITH WORDPRESS

certificate ID : GNZCYJQA92VX By : Coursera

WORK EXPERIENCE

BIDDING EXECUTIVE (27-MARCH-2023-PRESENT)

(NUM DESK PVT LTD)

RESEARCHED JOB POSTS ON UPWORK AND WROTE COMPELLING PROPOSALS ALONG WITH MANAGING A WEB DEVELOPMENT TEAM

RESEARCHED ANALYSTS (3 MONTHS) (2022)

(QUALITY RESOURCE PVT LTD)

RESEARCHED SALES FUNNELS.LIKE UPWORK, FIVER GURU, AND MANY MORE. DATA GATHERING AND ANALYZING MARKET TRENDS

WEB DEVELOPER (PART-TIME) (2020-2022)

(FREELANCER)

CREATED CMS, DASHBOARDS, ECOMMERCE STORES, AND CUSTOM WEBSITES FOR CLIENTS