

MAAZ HASNAIN KHAN

BIOMEDICAL ENGINEER

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OBJECTIVE

A versatile professional, blending deep technical expertise with a strong foundation in healthcare. Committed to harnessing technology to drive impactful advancements in the biomedical and healthcare domains.

EXPERIENCE

Aug 2023 – Present

Instructor • Graduate Teaching Assistant • Old Dominion University

Working as a part-time Graduate Teaching Assistant for two introductory Python courses, where I facilitate student learning and foster their foundational understanding of programming and computer science.

Nov 2022 – Jul 2023

Biomedical Engineer • Supervisor • Hashmanis Group of Hospitals

Established the Biomedical Department for the hospital. Worked as a senior Biomedical Engineer directing and coordinating all functions related to safety, testing, repair, and maintenance of equipment. Also provided leadership and technical assistance to Biomedical Technicians.

Sep 2022 – Nov 2022

Biomedical Engineer • Trainee Engineer • BIOS

Worked as a Trainee Engineer in BIOS in the radiology department. Focusing mainly on installations and service of X-Ray Machine and CT scan.

Aug 2021 – Mar 2022

Biomedical Engineer • Trainee Engineer • Hospital Engineering Consultant

Worked on a project as a Trainee Engineer titled "Integrated Modular Operation Room" for which designed an application and software required for the integration of operation room.

Dec 2020 – Feb 2021

Biomedical Engineer • Internee • Darul Sehat Hospital

Worked as an intern in Biomedical Engineering Department, Darul Sehat Hospital. During my internship I learned about various equipment used in different departments of the hospital.

PROJECTS

Integrated Modular Operation Room

Designed a circuitry and developed an application to control the operation room environment via a single console.

Pulse Oximeter

Designed a circuitry using Arduino, MAX30100 and an OLED to monitor the SpO2 and BPM.

EDUCATION

MS COMPUTER SCIENCE | OLD DOMINION UNIVERSITY
PRESENT

BS BIOMEDICAL ENGINEERING | SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY
2022

INTERMEDIATE (PREMEDICAL) | GOVT. DEHLI COLLEGE
2017

KEY SKILLS

- PYTHON
- JAVA
- HTML
- ARDUINO IDE
- AUTOCAD
- ANDROID STUDIO
- MS OFFICE
- CIRCUIT DESIGNING
- PROTEUS DESIGN SUITE

AWARDS

- 3RD POSITION IN FYP EXHIBITION
- BEST PERFORMANCE AWARD IN SSUET SPORTS GALA

INTERESTS

- E-GAMING
- TRAVELING
- TEACHING