

# BUSHRA SARDAR

Electrical Engineer

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Faisalabad, Pakistan

Proficient and punctual electrical engineering student with strong academic credentials and practical experience in real-world engineering projects. With a semester spent studying abroad, I have developed a global perspective and adaptability in addition to great communication and leadership skills.

## EDUCATION

### BS Electrical Engineering Namal University Mianwali

08/2022 - Present

CGPA 3.87

### BS Electrical Engineering (Exchange Semester)

Minnesota State University, USA

01/2022 - 05/2022

## WORK EXPERIENCE

### Cultural Ambassador

U.S. Department of State

01/2022 - 05/2022

Minnesota, USA

#### Achievements/Tasks

- Used platform to bridge cultural gap between U.S. and Pakistan through presentations on various platforms.
- Conducted meeting with U.S. government officials to discuss problems and issues faced by refugees and immigrants.
- Completed Digital Cultural Passport with International Research and Exchanges Board.

### Teaching Assistant

Minnesota State University, USA

01/2022 - 05/2022

Mankato, USA

#### Achievements/Tasks

- Worked as a tutor in the ECET Department (Electrical & Computer Engineering and Technology)

### Electrical Engineering Intern

Pakistan Telecommunication Company Limited (PTCL)

06/2022 - 08/2022

Faisalabad, Pakistan

#### Achievements/Tasks

- Observed and worked with soft switches, gaining experience in their configuration and troubleshooting
- Prepared technical reports and documentation to communicate project status and results to other team members.

## ORGANIZATIONS

CESD (10/2019 - Present)

Director Content Writer

Women in Engineering (WIE) (09/2021 - Present)

Outreach Director

IEEE - Namal Student Branch (09/2021 - 12/2022)

Content Writer

Namal Society for Social Impact (09/2020 - 04/2021)

Head HR

## SKILLS

MATLAB

MySQL

C/C++

Python

Cadence Virtuoso

Proteus

Microchip studio

AutoCAD

Microwind

MATLAB Simulink

Cisco packet tracer

Visual Studio

Arduino

Cadence PSpice

OrCAD Capture CIS

MS Office

## AWARDS AND HONORS

Global UGRAD Scholarship, U.S. Department of State

QUAID-I-AZAM Talent Scholarship

Attained a place on the Dean's Honor List while studying at Minnesota State University, Mankato, USA.

Received an appreciation letter by the International Research and Exchanges Board (IREX) for outstanding academic performance.

Best student of the year award for the years 2020 & 2021 at Namal University Mianwali

Attended National Outreach Program at LUMS

Received Laptop under Chief Minister Youth Initiative

## PROJECTS

Design of piezoelectric based low power charging system for portable electronic devices

Controlling a Lego Robot using PID controller

ASCII to BCD and BCD to Hexadecimal Converter

Automatic Street Light Control system

Language Recognition Project: Data Collection and Model Development

Predicting House Prices with Regression using Spyder

"Young girls with dreams become women with vision" (IREX funded project)

"Fostering Digital Literacy for a Promising Future"(IREX funded project)

## INTERESTS

Travelling

Book Reading

Cooking