

# GULFIZA NASEEM

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## EDUCATION

### Ghulam Ishaq Khan Institute of Engineering Sciences & Technology (GIKI)

Bachelors of Science in Engineering Sciences

CGPA: 3.12

Topi, PK

Sep 2020 – Present

Specialization: Modelling, Simulation & Machine Learning

- Activities include GIKI Debate Team, AIESEC, Team Foxtrot (drone-building), Women Engineering Society, Project Topi welfare & fundraising

## WORK EXPERIENCE

### Martin Dow Limited

Engineering Intern - SHE (Safety Health & Environment)

July 2022 – Aug 2022

- Implemented **CAPA** (Corrective and Preventive Actions) Management
- Assisted in CAPEX & OPEX procedures through **SAP**.
- Conducted **Risk Assessment** primarily through the **JSA** (Job Safety Analysis) format.
- Assessed **audit readiness** through **documentation** and **field inspection** for 2 international audits in the company.
- Assisted in basic SHE operations: Environmental Monitoring, Waste Management, Toolbox Talk, Load Lifting tests, Noise testing, ZAP, PTW, inspection of Fire Control devices and Emergency Lights, etc.

## LEADERSHIP & VOLUNTEERING EXPERIENCE

### AIESEC in GIKI

Vice President Membership Experience Product (HR)

Feb 2022 – Jan 2023

- Successfully conducted **recruitment** for the committee from a pool of 300+ applicants & onboarded 40+ recruits.
- Maintained an 80% **retention rate** & routinely gauged **member performance & satisfaction** throughout the tenure.
- Passed all 4 audits with a 100% clearance rate.

Head Delegate – National Planning Summit '21

July 2021

- Headed a delegation of 32 people & was in charge of handling their **finances, logistics & overall coordination**.

### AIESEC Pakistan

Social Media Manager

Aug 2021 – Oct 2021

- Produced monthly Instagram Analytics Report with 100% of the relevant metrics incorporated and **80% data visualized**.
- Handled **customer queries** and had a **40%** surge in engagement on Instagram.

## ACADEMIC PROJECTS

### Mineral Detection through Hyperspectral Images:

May 2023 – Present

- Ongoing final year project focused on utilizing deep learning techniques through Python on hyperspectral imaging data provided by Terracore, a South African company specializing in the field.

### LANDSAT 8 Satellite Image Compression:

Nov 2022 – Dec 2022

- Implemented by applying PCA and image processing techniques on MATLAB to achieve 70% dimensionality reduction.

### GIKI's Food Recommendation System

March 2023 – May 2023

- Programmed in Python using supervised machine learning and yielded 100% accurate results.

## AWARDS & HONORS

- Currently **2<sup>nd</sup> class rank** in faculty
- **AIESECer of the Quarter Award** (best overall performance), 2021
- Among top 6 ESL (English as a Second Language) Speakers in **Cambridge Women Debating Tournament**, 2022
- **Data Analytics** Course Certificate issued by **Coursera**
- Among finalists of **ENOVATE**, 2021 (An event where participants had to make strategic decisions based on case studies and present their solutions to the judging panel)

## SKILLS & PERSONAL

### Professional:

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| <ul style="list-style-type: none"><li>• C++/C, MATLAB, Python</li><li>• MS Word, Excel, PowerPoint</li><li>• Modeling Software: Proteus, Xilinx, NI Multisim, ModelSim, Verilog, Creo Parametric, PSpice</li><li>• Adobe Photoshop, Adobe Premier Pro, Canva</li></ul> | <ul style="list-style-type: none"><li>• Data Analytics</li><li>• SAP</li><li>• Digital Marketing</li><li>• Technical &amp; Academic Writing</li><li>• Microcontroller Interfacing: PIC18F4550, Arduino</li></ul> |
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**Interests:** Films, Screenwriting, Embroidery