

# MAIDA SHFAQ

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## OBJECTIVE

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To obtain a challenging role where I can apply my strong technical skills and passion for coding to develop innovative, efficient and user-friendly web applications. With a solid education in computer science and hands-on experience with various programming languages and frameworks, I am eager to bring my creative problem-solving abilities and attention to detail to a dynamic and growth-oriented company.

## EXPERIENCE

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- June 2022 – Summer Intern, *Finera/Tourism Live – Washington, US*  
August 2022
- Worked as a remote intern
  - Participated in daily meetings and sprint retrospectives using remote collaboration tools like Zoom
  - Acquired knowledge of various concepts and tools like php-ajax, xml, tortoiseVSN, postman, anyDesk, APIs
  - Gained experience working in a remote environment

## EDUCATION

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Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI),  
*Topi, Pakistan*

2019 - 2023: Bachelor of Science in Computer Sciences

- CGPA – 2.99/4.0 (7<sup>th</sup> Semester)
- Relevant Coursework – Data Science, Full Stack Web Development, Compiler Construction, Design & Analysis of Algorithms, Deep Learning, DSA, Parallel Processing, Software Engineering, Fundamentals of Cyber Security, Operating Systems, Introduction to Databases, Artificial Intelligence, Computer Architecture, Computer Organization & Assembly Language
- Finance Head (Treasurer), Institute of Engineering & Technology (IET) on Campus GIKI

# PROJECTS

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**Soundstage - Audio synthesis with context aware voice inflections & environmental sounds**

*FINAL YEAR PROJECT*

A state-of-the-art audio synthesis pipeline that aims to bring a more fulfilling experience to the differently abled and the underprivileged, and make audio production more accessible for amateur creatives. It utilizes cutting edge generative models, coupled with a comprehensive NLP engine that extracts all the information needed to produce a complete audio synthesis

**Comparative Analysis of Prim's and Kruskal's Algorithm using Greedy Approach**

*SEMESTER PROJECT*

Implementation of Prim's and Kruskal's Algorithm using python and Google Colab as platform to analyze the behavior of the two-algorithm using greedy approach

**Automated Timetable Generator (ATG)**

*SEMESTER PROJECT*

A software application that used Django web framework to generate a clash-free timetable for GIK Institute

**Online Railway Reservation**

*SEMESTER PROJECT*

Developed a website using HTML and CSS for the front-end whereas phpMyAdmin and xampp as the back-end to make online railway reservations to avoid oneself from long queues

**Hangman Game (City/Country)**

*SEMESTER PROJECT*

Developed the game using programming techniques in C++

**Contact Management System**

*SEMESTER PROJECT*

Using hash table and linked list in C++

## KEY SKILLS AND CHARACTERISTICS

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### Technical Skills:

- Proficient in programming languages such as Python, C++, C
- MEAN (MongoDB, ExpressJs, AngularJs, NodeJs)
- HTML, CSS, JS
- Intermediate user of PHP, MySQL, Oracle, Django
- Operating Systems: Linux, Windows

### Personal Skills:

- Good Management & Communication
- Time Management
- Problem-Solving
- Adaptable to new technologies, methodologies, and tools, and changing environment
- Attention to detail
- Goal oriented and quick learner
- Team working