



# Ahsan Naseer

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**Nationality:** Pakistani

## WORK EXPERIENCE

[ 25/07/2023 – 15/09/2023 ]

### Internship

***Natural Language Processing (NLP) at Sino Pak center for Artificial Intelligence (SPCAI)***

**City:** Haripur | **Name of unit or department:** Sino Pak Center for Artificial Intelligence

-Gathered and curated datasets for Named Entity Recognition (NER) tasks.

-Cleaned and preprocessed data to ensure consistency and quality for training models.

-Trained 4 to 5 Named Entity Recognition (NER) models using Python and the spaCy library.

-Implemented and fine-tuned algorithms to optimize model performance.

-Conducted thorough evaluations of the trained NER models using appropriate metrics (e.g., precision, recall, F1-score).

-Analyzed model performance and implemented strategies to improve accuracy and efficiency

## EDUCATION AND TRAINING

[ 01/09/2020 – 09/08/2022 ]

### Intermediate

***Sir Syed Model School and College***

**City:** Haripur | **Country:** Pakistan | **Field(s) of study:** Pre-Engineering | **Final grade:** A

[ 17/10/2022 – Current ]

### Bachelor of Software Engineering

***Pak-Austria Fachhochschule Institute of Applied Science and Technology***

<https://paf-iast.edu.pk/>

**City:** Haripur |

## LANGUAGE SKILLS

**Mother tongue(s):** Urdu

**Other language(s):**

**English**

**LISTENING** B2 **READING** C2 **WRITING** C1

**SPOKEN PRODUCTION** B1 **SPOKEN INTERACTION** B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## TECHNICAL SKILLS

**Languages:** HTML, HTML5, CSS, JavaScript, python , PHP, C++.

**Frameworks:** React.js, Node.js,

**Database:** MySQL. MongoDB

## PROJECTS

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### **Airline Reservation System**

Developed an Airline Reservation System in C++ to manage flight bookings, cancellations, and modifications.

Applied OOPs concepts like classes, inheritance, polymorphism, and encapsulation to model flights, passengers, and reservations.

Implemented functions for user interaction, input validation, and data processing to ensure system reliability and robustness.

### **Arduino Based Fire Detection Alarm**

Developed an Arduino-based Fire Detection Alarm system using a flame sensor and Arduino Uno.

Programmed in C++ to monitor the sensor and activate a buzzer alarm upon detecting flames.

Implemented real-time detection and immediate audible alerts for rapid response to fire incidents.