

# SYED HAIDER ALI ZAIDI

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## EDUCATION

<b>FAST National University of Computing and Emerging Sciences</b> BS Computer Science	Islamabad, Pakistan Aug 2019 - Jun 2023
<b>Punjab College of Information Technology</b> Fsc. Pre Engineering	Rawalpindi, Pakistan Sep 2017 - Aug 2019

## WORK EXPERIENCE

<b>HighBit Technologies Ltd.</b> <i>React Developer</i>	Lahore, Pakistan June 2022 - Aug 2022
<ul style="list-style-type: none"><li>Developing new user-facing features using React.js ,Building reusable components and front-end libraries for future use,Translating designs and wireframes into high quality code ,Optimizing components for maximum performance across a vast array of web-capable apps ,Using RESTful APIS to integrate the data ,Using Redux to send data to different sessions in site ,Implementing Stripe for Online Payments</li></ul>	
<b>Technocollabs</b> <i>AI developer</i>	Remote Aug 2022 - Oct 2022
<ul style="list-style-type: none"><li>Built automation model for traffic signals aims to reduce accidents by leveraging advanced technologies such as computer vision and machine learning. By analyzing real-time traffic patterns and dynamically adjusting signal timings, the model optimizes traffic flow and enhances safety on the roads</li></ul>	
<b>FAST National University of Computing and Emerging Sciences</b> <i>Lab Demonstrator Programming Fundamentals</i>	Islamabad, Pakistan Sep 2022 - Jan 2023
<ul style="list-style-type: none"><li>Assisting students to write better and optimized code.</li></ul>	
<b>FAST National University of Computing and Emerging Sciences</b> <i>Lab Demonstrator Data Structures</i>	Islamabad, Pakistan Feb 2023 - Present
<ul style="list-style-type: none"><li>Debugging the problems faced by students and helping them to write optimized and better code.</li></ul>	

## SKILLS

Programming Languages:	Python, C++, Javascript, Golang, Dart, HTML, CSS
Theoretical Skills:	Web Development, Flutter Development, Blockchain
Front-end Frameworks:	React, Vue.js, Streamlit
Version Control Systems and Cloud Computing Platforms:	Git and Github, AWS, Azure, Kubernetes, Docker
Back-end Frameworks and Databases:	Django, Node.js, MySQL, MongoDB
Tools:	Visual Studio Code, Postman, Android Studio

## PROJECTS

<b>FYP-Speech to Smart Contracts</b> ( <i>Flutter, Flask, Firebase, Python, AWS, Dart, Blockchain, AI</i> ) <a href="https://github.com/syedhaideralizaidi/FYP-SpeechtoContract">https://github.com/syedhaideralizaidi/FYP-SpeechtoContract</a> The mobile application leverages Flutter, AI models, and blockchain technology to enable voice call recording and generate digital smart contracts. By seamlessly capturing and transcribing call content, it automates the contract creation process, providing a secure and efficient solution for capturing and formalizing verbal agreements.
<b>isticks Medical website</b> ( <i>Javascript, React, AWS, MongoDB</i> ) <a href="https://github.com/syedhaideralizaidi/Sentaware-Website-React">https://github.com/syedhaideralizaidi/Sentaware-Website-React</a> The Sensify Aware website, built using React and MongoDB, provides users with a seamless platform to place orders for a variety of products. With its user-friendly interface, customers can easily browse and select from a range of offerings, while MongoDB ensures efficient and scalable data storage and retrieval for a smooth ordering experience.
<b>Employee Management System</b> ( <i>Javascript, Vue.js, Node.js</i> ) <a href="https://github.com/syedhaideralizaidi/Employee-Management-System">https://github.com/syedhaideralizaidi/Employee-Management-System</a> The Employee Management System, developed using Vue.js, Node.js, and JavaScript, streamlines the process of managing employee information, including tracking employee details, attendance, and performance. Its intuitive interface and powerful features make it a comprehensive solution for efficient workforce management.
<b>Webtoons Ontology Design and Implementation</b> ( <i>Python, Streamlit, SPARQL, OWL</i> ) <a href="https://github.com/syedhaideralizaidi/Webtoons-Ontology-Design-and-Implementation">https://github.com/syedhaideralizaidi/Webtoons-Ontology-Design-and-Implementation</a>

The recommendation system for Webtoons utilizes Python and SPARQL within a Knowledge Graph (KG) framework to analyze and design personalized recommendations for users.

### **Implementation of Blockchain using Bloom Filter Accuracy C++**

<https://github.com/syedhaideralizaidi/Secure-keyword-using-bit-string-signatures-in-Blockchain>

The goal of this project was to retrieve the data from blockchain at a very rapid speed. Moreover, security of the user's data was also the main motive in this implementation. P2P network was created between the users and bloom filter was used to find the requested data.

### **Driving School Management System (Django, Python, MongoDB)**

<https://github.com/syedhaideralizaidi/Driving-School-Management-System>

The Driving School Management System, developed using Python, Django, and MongoDB, simplifies driving school operations with features such as student enrollment, lesson scheduling, instructor management, and progress tracking. It streamlines administrative tasks and improves overall operational efficiency.

### **Multiplayer Snake Game (Javascript, Socket.io, Node.js)**

<https://github.com/syedhaideralizaidi/Multiplayer-Snake-Game>

The multiplayer Snake game was developed using Socket.io and JavaScript, allowing multiple players to compete and interact in real-time on a shared game board.

### **Flutter PDF Generation with Signature Pad (Flutter, Dart, Android Studio)**

<https://github.com/syedhaideralizaidi/Flutter-PDF-Generation-with-Signature-Pad>

Flutter PDF Generation with Signature Pad allows seamless integration of signature capture functionality into PDF generation in Flutter applications.

### **Ring Distributed Hash Table (C++)**

In this project, I used my knowledge of data structures to implement a ring distributed hash table. I used a variety of structures, including doubly linked lists, circular linked lists, AVL trees, and hash tables, to facilitate peer-to-peer connections and efficient data distribution. Through this project, I gained a deep understanding of data structures and their applications.

## **CERTIFICATES AND CO-CURRICULAR ACTIVITIES**

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### **Data Manipulation with Pandas**

DataCamp

The Data Manipulation with Pandas certificate validates proficiency in using the Pandas library for efficient and powerful data manipulation in Python, essential for data analysis and data science tasks.

Jul 2022

### **Intermediate Python**

DataCamp

The Intermediate Python certificate recognizes proficiency in intermediate-level Python programming skills, including advanced topics like object-oriented programming, file handling, error handling, and working with modules and libraries.

Jul 2022

### **AWS Cloud Concepts**

DataCamp

The AWS Cloud Concepts certificate validates understanding and knowledge of fundamental concepts related to cloud computing on the Amazon Web Services (AWS) platform, including key services, terminology, architectural principles, security, and best practices for deploying applications and infrastructure in the cloud.

Aug 2022

### **Google Cloud Big Data and Machine Learning Fundamentals**

Coursera

The Google Cloud Big Data and Machine Learning Fundamentals certificate validates proficiency in foundational concepts of big data and machine learning on the Google Cloud Platform (GCP) for scalable data processing and building machine learning models using services like BigQuery and TensorFlow.

Jan 2022

### **Fundamentals for Istio**

Solo.io

The Fundamentals for Istio certificate showcases expertise in the foundational principles and components of Istio, an open-source service mesh platform. It validates skills in implementing advanced traffic management, observability, and security features to enhance microservices-based architectures.

May 2023

### **Vice Head Operations**

NaSCon

Headed operations at NaSCon, demonstrating strong leadership and management skills in overseeing operational activities. Implemented effective strategies and processes to optimize performance, enhance productivity, and ensure smooth operations within the organization.

March 2022

### **Head Operations**

NUCS

Head of Operations at NUCS, leading and optimizing operational activities for organizational successful events and campaigns.

Dec 2020