

# HAMZA ASIF BAIG

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## INTRODUCTION

As a seventh-semester University student, I have a strong desire to learn new things. I'm committed to becoming an expert in my field. By using my abilities and skills I can achieve my goals both in my professional life and in my studies. I can't wait to take an advantage of new opportunities, work on Real-life and market projects, and make valuable contribution to any group or organization I join. As a new generation Software Engineer, I have a great expertise in AI tools and can work on any problem with AI.

## EDUCATION

BACHELOR'S DEGREE | Software Engineering | COMSATS University | CGPA: 2.89

2022 – Present

FSC | PRE-ENGINEERING | GRADE: A+

2019 – 2021

## EXPERTISE

- MERN Stack
- Front-End Development
- Flutter App Development
- Small AI models/Tools Development
- AI Tools

## SKILLS

- Artificial Intelligence: AI, Machine learning
- Programming Languages: JavaScript, Python, Dart
- Web Development: React.js, Node.js, Express, Front-end Dev, Tailwind CSS
- Databases: MySQL, MongoDB, Firebase
- Soft Skills: Excellent Communication, Team Lead

## PROJECTS

**BOOKS MANGEMENT SYSTEM** | MERN Stack | Full Stack Development

July 2024 – July 2024

Books management system that is developed in MERN Stack using the platform VS code and tool postman for API verification.

**BOXING WEBSITE FRONTEND** | React.js, Tailwind CSS, Vite App | Frontend Dev

Aug 2024 – Aug 2024

Boxing Website Frontend developed in React.js using Tailwind CSS in VS Code.

**CODE SMELL DETECTION** | Python, Flask | Tool

November 2024 – December 2024

Code Smell Detection tool developed using python to detect the code smells in the whole project or just a file of python code. Using Flask to render frontend.

**NUMBER PLATE DETECTION** | Python, Django | Image Segmentation

November 2024 – December 2024

Developed in Python with accuracy of 70% to detect the car number plates. Django used to render frontend and to save the segmented images.

**AMERICAN SIGN LANGUAGE PROJECT** | Python | AI C Automation

October 2024 – December 2024

ASL developed with the accuracy of 90% to detect the hand sign for the people with disabilities. AI Model trained on Google Colab.

**KOKORO DOJO APP** | Flutter, Dart, Python | Martial Arts App

January 2025 – Expected October 2025

Final Year Project of martial arts app. This app consists of an AI model that will be trained using different datasets and it will tell the user if they are using the right technique to train. Mainly it's a posture analysis model.