



# Muhammad Annas Asif

## MERN and Flask Developer



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### SUMMARY

Eager MERN and Flask developer ready to translate requirements to projects using my critical thinking and problem-solving skills.

### PROJECTS

#### AUTOMATED YIELD ESTIMATION

- Techniques of Machine Learning and Artificial Intelligence are used
- Python for Interface and workflow
- Use of Neural Network

#### BASICS ACADEMIA

- Portal to add or get Materials according to Educational Requirements
- Developed using HTML, JavaScript, PHP, MySQL, Bootstrap

### EXPERIENCE

#### OZI TECHNOLOGY

2021 - PRESENT

- 3-month internship for **Backend development** using Node JS
- Made Social App APIs in **Node JS** containing workflow for creating, reading, updating and deleting User Profiles and User Posts. There are APIs to handle Post or Profiles Likes and Shares too. Used **MongoDB** for storing Profiles and Posts Data and **Multer** Library to upload images and videos for users
- Made Admin panels using **React JS** to check and add data for Apps deployed using Node JS. Used **React DOM Router** to handle multiple routes within same Admin Panel.
- Made a project for **Urdu Shayari by AI** using practices of *ChatGPT*, *Gemini* and *Groq* models in **Flask App**. Add multiple categories to handle multiple type of data and used MongoDB to store users chat with AI in database
- Hands on experience with **Model Training** of datasets of *Insects* and *Spiders*. Made a pipeline of a model to take Image input from user and return predicted data class to user. Converted this pipeline to **Flask API** so it can be used by HTML request.
- Deployed Multiple Node JS apps on **Window VM** and deployed Flask App on **Linux VM** using GitHub. On windows server, used a package of **Nodemon** to run Node servers. On Linux server, used **PM2** and **nohup** to run flask servers and use APIs as required.
- Regularly checked and maintained Windows and Linux VMs so servers are constantly running and returning data properly.

### EDUCATION

#### 2017 - 2021

Bachelor of Computer  
Science  
CGPA: 3.97

#### UNIVERSITY OF CENTRAL PUNJAB

##### Majors

- Object-Oriented Analysis and Design
- Data Structure and Analysis
- Web Application Development
- Introduction to Machine Learning

#### 2013 - 2016

Intermediate in FSc  
(Pre-eng)  
Percentage: 77%

#### KIPS COLLEGE

##### Majors

- Physics, Chemistry, Mathematics

### SKILLS

#### MERN STACK DEVELOPMENT

#### FLASK APIS DEVELOPMENT

#### NODE JS

#### WEB DEVELOPMENT

#### BASICS OF MACHINE LEARNING

#### REACT JS

#### OBJECT ORIENTED PROGRAMMING

#### DATABASE MANAGEMENT SYSTEM

#### DATA STRUCTURES & ANALYSIS

#### ANALYSIS OF ALGORITHM

#### VIRTUAL SERVER MANAGEMENT (WINDOWS AND LINUX)

### ACHIEVEMENTS

- Diploma in MS Office
- Gold Medalists in Bachelors in Computer Science

### REFERENCES

#### MUHAMMAD HAMZA ASIF

Project and Marketing Manager  
(Maida Technologies, Rawalpindi)

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