

# Zain Latif

Address: Samanabad, Faisalabd, Pak | zainlatif702@gmail.com | +923237668916 | LinkedIn: zainlatif702 | GitHub: zainlatif

## SUMMARY

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Aspiring software engineer with hands-on experience in web development . Skilled in the MERN stack, Python, and AI tools with a strong foundation in computer science. Proven ability to deliver freelance design projects and build real-world applications. Passionate about technology, problem-solving, and continuous learning.

## EDUCATION

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### Govt College University Faisalabad

Faisalabad, Pakistan

B.S in Computer Science

2021 to 2025

- **Related Coursework:** Data Structures & Algorithms, Computer Organization & Programming, Database, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics.

### Govt Laboratory High School Samanabad Faisalabad

Faisalabad, Pakistan

Intermediate in ICS

2019 to 2021

- **Related Coursework:** Computer Science, Physics, Mathematics.

### Govt MC High School Samanabad Faisalabad

Faisalabad, Pakistan

Matric in Computer Science

2017 to 2019

## PROJECTS

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### Mobile Phone Recommendation System

- Developed a mobile-first website that recommends smartphones based on user needs using an AI-powered assistant. The system analyzes key specifications and suggests the best options, serving as an simplified alternative to platforms like GSMarena and WhatMobile. Built with a focus on responsiveness and user-friendly interaction.

### Rat Detection System (Computer Vision Project)

Built a binary image classification system using Convolutional Neural Networks (CNN) in Python with TensorFlow and Keras. The model detects the presence of rats in images using a custom dataset. Leveraged CNN's capability to automatically extract spatial features and patterns for accurate classification. Implemented in Jupyter Notebook with real-time testing by adding images in a testing\_ folder. Technologies used include Python, CNN, TensorFlow, Keras, NumPy, and Matplotlib.

## Certification & Achievements

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- **Power of Jupyter Notebook** - Microsoft Student Ambassador
- **SQL Database** - HackerRank
- **Python Programming Fundamentals** - HackerRank
- **Problem Solving Certificate** - HackerRank
- **React Basics** – HackerRank
- **Graphic Designing** – SMIT Faisalabad

## SKILLS

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**Languages:** JavaScript, Python, Java, C++, HTML/CSS, SQL

**Web/Frameworks:** Node.js, React.js, Bootstrap

**Tools:** Git, Jupyter Notebooks, Android Studio, VS Code, Postman

**Other:** Graphic Design, Adobe Illustrator, Photoshop