

# Alisha Sultan

## Software Engineer

Software Engineer Enthusiastic learner with a passion for tackling new challenges. Excel in collaborative environments, leveraging strong communication skills to drive impactful results. Committed to delivering excellence in every task.



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## WORK EXPERIENCE

### Associate Software Engineer Manafa Technologies

08/2024 - Present

Lahore, Pakistan

#### Achievements/Tasks

- Debugged and resolved critical issues in the admin panel, improving system stability and functionality
- Designed and implemented new features, enhancing the application's overall capabilities and user experience
- Optimized the 'Kafalah' module, significantly increasing its efficiency and reliability

### Backend Developer Intern KS-technologies(onsite)

07/2023 - 09/2023

Lahore, Pakistan

#### Achievements/Tasks

- Contributed 30% to the development of the backend, ensuring robust data handling and efficient query processing
- Contributed 20% to the frontend development, creating user-friendly interfaces and enhancing user experience
- Collaborated with a cross-functional team of developers to seamlessly integrate backend and frontend sections, resulting in a 20% improvement in overall system performance

### Data Science Trainee Expert System Solution (Onsite)

10/2022 - 01/2023

Lahore, Pakistan

#### Achievements/Tasks

- Developed and implemented a "Pills Detection System using YOLOv4" to streamline pharmaceutical management processes, achieving a 95% accuracy rate in pill detection
- Developed foundational knowledge in machine learning concepts through practical training
- Proficient in Python for data science applications, specializing in data visualization with Matplotlib, Seaborn, and Plotly

## EDUCATION

### Bachelor of Science in Information Technology

Punjab University College of Information and  
Technology Lahore, Pakistan

12/2020 - 06/2024

CGPA: 3.4

## SKILLS

HTML

CSS

JavaScript

MySQL

PHP

Laravel

Python

Figma

Web Designing

Team Work

Time Management

## PERSONAL PROJECTS

### Debris Glacier Detection System (FYP) (11/2023 - 05/2024)

- Spearheaded the development of an automated deep learning- based framework for monitoring debris-covered glaciers, achieving a 91% accuracy rate from remotely sensed images
- Collaborated with the Space & Science Department to integrate advanced technological solutions, ensuring alignment with project objectives in glacier monitoring

### Food Delivery App (11/2023 - 12/2023)

- Designed and developed a polished React Native application with splash screens and Firebase authentication
- Engineered seamless user interactions including dynamic homepages, streamlined cart management, and real-time order tracking
- Achieved a perfect score of 25/25 on project evaluation, demonstrating advanced development skills and delivering an exceptional user experience

### Weather App (10/2023 - 10/2023)

- Created a Weather App using React.js with APIs for real-time weather data retrieval
- Implemented a user-friendly search bar for instant weather details, highlighting React.js proficiency, API integration, and responsive design to enhance user engagement

### Empty Chair & Occupied Chair Detection (10/2022 - 10/2022)

- Deployed YOLOv4 for accurate detection of empty and occupied chairs, achieving 97% accuracy rate
- Performed data annotation and conducted model training to achieve precise chair detection in simulations

## ACHIEVEMENTS

### Rising Star Award (05/2025)

Awarded 'Rising Star' at Manafa Technologies for outstanding performance, showcasing innovative problem-solving, timely project delivery, and impactful contributions to system functionality and efficiency.

## INTERESTS

Continuous Learning

Problem Solving