

# SYEDA SHAMAIM FATIMA

Computer Science Student | ML & Web Developer

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## SUMMARY

I am a motivated and detail-oriented Machine Learning and Web Development student with hands-on experience in building responsive web applications, developing AI-powered solutions, and processing datasets. I am proficient in Python, Flask, PHP, and have a growing expertise in React.js and deep learning technologies. My passion lies in solving real-world problems through data-driven strategies.

## EXPERIENCE

### Machine Learning & Web Development Intern

Spectex AI

09/2025 - 01/1970 Lahore

A company specializing in machine learning and AI-driven solutions

- Developed and deployed full-stack web applications using HTML, CSS, JavaScript, PHP, and MySQL (Project: Forest Valley)
- Cleaned and preprocessed datasets with Python and Google Collab for machine learning workflows
- Designed and deployed predictive models using Flask covering regression and classification tasks
- Implemented an AI chatbot leveraging CLIP and BLIP for image-text understanding and Q&A
- Currently exploring Deep Learning concepts like CNNs and NLP-based solutions

## EDUCATION

### Bachelor of Science in Computer Science (BSCS)

University of Engineering & Technology (UET)

09/2023 - 05/2026 Lahore

### Intermediate in ICS

Punjab Group of Colleges (PGC)

09/2020 - 06/2022 Lahore

### Matriculation in Computer Science

Aligarh Public School, Gulberg

09/2018 - 06/2020 Lahore

## TRAINING / COURSES

### Full Stack Web Development Course

A course that provided skills and knowledge in full stack web development from **Information Technology University**

### Web Development React.js Course

Currently pursuing a course focused on React.js for web development from **Bano Qabil**

## INTERESTS

AI research

Tech blogging

Web development

Fitness

## INDUSTRY EXPERTISE

Artificial Intelligence

Web Development

## STRENGTHS

### Communication Skills

Strong communication and teamwork abilities

### Problem Solving

Creative problem-solving and analytical thinking

### Adaptability

Quick learner, adaptable to new technologies

### Time Management

Time management and project organization

## KEY ACHIEVEMENTS

### Web Applications and AI Models

Successfully developed multiple web applications and machine learning models that solve real-world problems

## SKILLS

Gmail GitHub Responsive Web

Python Flask PHP HTML

CSS JavaScript React

Deep Learning NLP C/C++

Bootstrap WordPress

Jupyter Notebook Visual Studio Code

Microsoft Office

## PROJECTS

### Forest Valley Web Application

01/2025 - 05/2025

A web application dedicated to managing forest data

- Developed a full-stack dynamic web solution with HTML, CSS, JavaScript, PHP, and MySQL for forest data management and user interaction

### House Price Prediction App

06/2025 - 08/2025

Application for predicting house prices based on various parameters

- Built and deployed regression models using Python and Flask, trained on cleaned datasets to accurately predict housing prices

## INDUSTRY EXPERTISE

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Machine Learning



Deep Learning



## PROJECTS

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### Gym Management System

🕒 09/2025 - 12/2025

A web application managing gym operations effectively

- Developed a complete gym management web application using HTML, CSS, PHP, JavaScript, and MySQL for database integration

### Hotel Management System (C/C++)

🕒 01/2024 - 04/2024

A management system focusing on hotel operations

- Built a CLI-based management system with functionalities for booking, check-in, and user management using C and C++

### Diabetes Prediction Model

🕒 10/2025

A machine learning model predicts diabetes from patient data using Python, TensorFlow, and Flask, with a web dashboard for input and analytics.

- **Languages/Tech:** Python, Flask, TensorFlow/Keras, Pandas, NumPy, HTML, CSS, Bootstrap, Chart.js.