

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

Machine Learning



Deep Learning



PROJECTS

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.