

# ASJAD YOUSAF

BS Computer Science Student

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## Profile

Enthusiastic Computer Science student specializing in Machine Learning and Artificial Intelligence, with a strong passion for solving real-world problems through data-driven solutions. Dedicated to continuous learning, rapid skill development, and applying innovative approaches to complex challenges.

## Education

2022–2026 **BSc in Computer Science**, Quaid-i-Azam University, Islamabad  
CGPA: 3.2 / 4.00

## Skills

Languages C++, Java, Python, HTML, CSS, JavaScript, SQL  
Libraries & Frameworks NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Matplotlib, Seaborn, OpenCV, XGBoost, LightGBM, NLTK, spaCy, Hugging Face Transformers, Flask, Streamlit

## Projects

Faculty House Allocation System Java-MySQL desktop app managing faculty housing requests, with role-based access and real-time allocation tracking.  
Portfolio Website Created a responsive personal portfolio using HTML, CSS, and JavaScript. Deployed via GitHub Pages.

## Machine Learning & AI Projects

- **Disease Prediction:** Cloud-based ML app predicting multiple diseases from patient data for early detection.
- **Movie Recommender:** Suggests personalized movies based on viewing history and preferences.
- **Spam Detection:** AI spam filter using TF-IDF and classification to block phishing and unwanted emails.
- **Sentiment Analysis:** NLP tool classifying social media/review text for brand monitoring.
- **Disaster Tweets:** Detects real-time disaster-related tweets to aid emergency response.
- **SVM Classifier:** Optimized multi-class SVM models for health, finance, and text analytics.
- **15 ML Projects:** Built 15 diverse ML solutions across healthcare, education, finance, and social media.
- **Regression Pipelines:** Automated regression models for forecasting trends in sales and performance tracking.
- **AI Math Solver:** Offline AI tool solving math questions from text/images with class and subject filters.

## Languages

English Fluent  
Urdu Native

## Interests

Intermediate Machine Learning Focus: Data Analysis, Supervised & Unsupervised Learning, Model Evaluation, Foundational Neural Networks, Applied Deep Learning, and Real-World AI Solutions