

# FATIMA QURBAN

Phone No: 0333-7136983    LinkedIn: [fatimaqurban](#)    Github: [Fatimaqurban](#)    Email: [fatimaqurban3599@gmail.com](mailto:fatimaqurban3599@gmail.com)

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## EDUCATION

FAST NUCES, Islamabad

Sep 2021 - June 2025

BS Software Engineering

- **Relevant Courses:** Applied AI, NLP, Web Engineering, Software Construction and Development, Software Design and Architecture, UX, MLOps
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## EXPERIENCE

Intern AI Engineer at CareCloud

March 2025 - Present

- Developed AI-powered call auditing solutions where using NLP analyzed customer support interactions, extract sentiment patterns for improving agent performance and customer satisfaction.

Intern ML/DL Engineer at Bytewise Limited

July 2024 - Sep 2024

- Advanced prediction system achieving superior accuracy through ensemble learning and feature engineering across 5 machine learning models on diverse datasets.
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## PROJECTS

### BugLens - Final Year Project

Next.js, Node.js, Flask, Docker, BERT, PyTorch, HuggingFace

- Developed BugLens, an AI-powered system for automated bug detection and classification in video game reviews using Transformer-based models. Conducted comprehensive testing, ensuring accurate bug classification and sentiment analysis. Designed and executed test cases, logged defects, and generated detailed bug reports to help developers prioritize and resolve issues efficiently.

### Blog Application

Node.js, React.js, MongoDB, Express.js

- Developed a blogging platform with RESTful APIs for authentication, blog management, and search. Conducted **SQA testing** using Cypress, Postman, and manual testing, ensuring functionality and reliability. Designed test cases following IEEE 829 standards, covering login, blog follow, and search functionalities. Logged and tracked defects in Jira, performed static analysis with ESLint, and generated detailed bug reports to improve application quality

### Automated Research Paper Assistant

Sentence Transformers, FAISS, Seaborn, React

- Developed an NLP-based Research Paper Recommendation System, achieving 90%+ accuracy using Sentence Transformers and FAISS. Processed 100K+ papers from DBLP, enabling 3x faster discovery with advanced similarity searches and visualizations.

### Medical Imaging and Radiology Module using CV

Flask, TensorFlow, MobileNetV2, ResNet50, InceptionV3

- Developed a Flask-based medical image classification module with pre-trained and custom deep learning models, enabling dataset processing, model training, and predictions with robust error handling and security
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## TECHNICAL SKILLSET

- **Programming Languages:** Python, C++, JavaScript
- **CI/CD:** Docker, Kubernetes, GitHub Actions, Jenkins
- **Testing Tools:** Cypress, Selenium, Jira