Ayesha Gull
Computer Scientist | Full-Stack Developer

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Computer Science student at Namal University with experience in full-stack, cross-platform web and mobile development. I aim to build AI applications that are not only innovative, but also accessible, inclusive, and impactful—an approach reflected in my work with the Centre for Critical Peace Studies and as an R&D Intern at WIT, LUMS.

EDUCATION

BS in Computer Science
Namal University

11/2021 - Present   *3.72/4 CGPA*

Courses
- OOP
- Artificial Intelligence
- Information Security
- Data Structures
- Machine Learning
- NLP

WORK EXPERIENCE

Research and Development Intern
Centre for Water Informatics & Technology (WIT), LUMS

08/2024 - 10/2024

Achievements/Tasks
- Developed an inclusive cross-platform app for animal disease diagnosis, scoring 85+ in accessibility across all screens.
- Optimized backend ML model, improving accuracy to over 90%.

Teaching Assistant
Academic Mentorship Program – Namal University

11/2022 - 01/2023

Achievements/Tasks
- Served as a Teaching Assistant for the course "Quantitative and Computational Reasoning".
- Facilitated class discussions, graded 10+ assignments and quizzes, and provided one-on-one guidance to 45+ students, resulting in a 30% improvement in average class scores.

AWARDS

Runner-up, PSIFI XVI Web Shark among 32 teams
LUMS

Finalist, IBM Watsonx Assistant Hackathon out of 5009 participants and 243 teams
Lablab.ai

Three times consecutive Winner, CODEX
Namal Computing Society

SKILLS

Python · JavaScript · TypeScript · C/C++
HTML · CSS · React · Next.js
Tailwind CSS · PyTorch · TensorFlow
LangChain · FastAPI · Node.js · MongoDB
Firebase · MySQL · Docker · AWS · Azure

PERSONAL PROJECTS

AgriSense | AI-powered Precision Agriculture (10/2024 - Present)
- Developed an ML pipeline using YOLOv8 and EfficientNet for crop classification, disease detection, and yield estimation.
- Implemented image stitching, timeline tracking, and PDF report generation for spatial and temporal crop analysis.
- Built a responsive user interface featuring an interactive enterprise-grade dashboard.

The Pluriversity Lahore | Multilingual Educational Platform (08/2024 - 09/2024)
- Built a multilingual web platform for UMT's Centre for Critical Peace Studies to support indigenous research, critical reading circles, and dialogues on epistemic justice.
- Implemented dynamic content delivery and role-based access control.

Code Nest | Crowdsourced Note Keeping (08/2023 - 09/2023)
- Built a collaborative note-sharing web app for developers to write, organize, and share code-centric notes.
- Integrated tag-based search with Algolia, markdown editing with live preview, and S3 cloud storage for attachments.

CERTIFICATES

React JS Masterclass | Udemy (04/2023 - 05/2023)

Data Analysis with Python | Cognitive Class.ai (07/2022 - 08/2022)

VOLUNTEERING

Section Leader | Stanford Code in Place (04/2025 - Present)
Selected as a global volunteer to teach Python through Stanford's flagship CS106A course to a small group of learners from around the world.