

Mahgul Wahid

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ABOUT ME

Aspiring AI Researcher with strong foundations in Machine Learning, Deep Learning, NLP, and Data Analytics. Experienced in building predictive models, optimizing neural networks, designing 3D generative systems, and leading QA for AI-based applications. Skilled in Python, TensorFlow, and Power BI with the ability to translate complex ideas into practical, data-driven solutions. Passionate about multimodal learning, intelligent systems, and applied AI research.

EDUCATION AND TRAINING

11/10/2021 – 25/06/2025 Karachi, Pakistan
BACHELOR'S IN SOFTWARE ENGINEERING Bahria University, Karachi Campus

Final grade 3.45 / 4.0

WORK EXPERIENCE

QUALITY ASSURANCE INTERN & TEAM LEAD – OIGETIT.AI - FAKE NEWS FILTER – 10/09/2024 – 10/12/2024

- Led a team of QA engineering interns working on AI-driven misinformation detection tools (web & mobile).
- Designed structured manual test plans that reduced post-release defects and improved AI accuracy.
- Logged and triaged bugs using JIRA, accelerating fix cycles and improving QA-development collaboration.
- Delivered detailed QA reports that improved test coverage and enabled stable production deployments.

JUNIOR RESEARCHER – LEARNOLOGY

PROJECTS

16/09/2024 – 14/05/2025
Final Year Project — ARCSPECT: Automatic 3D House Design (GANs + NLP + Three.js)

- Built a real-time 3D architectural visualizer integrating GANs for automatic texture synthesis.
- Implemented an NLP pipeline to convert user descriptions into structured design elements and floor plans.
- Optimized rendering pipelines using Three.js to enhance realism and reduce latency.

13/05/2024 – 13/06/2024
Amazon Data Scraping and Analysis (Data Mining)

- Conducted comprehensive analytics, including ratings and review analysis to assess customer satisfaction and price correlation.
- Performed trend analysis using time-series data and keyword extraction.
- Applied sentiment analysis, clustering, regression, and classification techniques.
- Implemented TensorFlow/Keras image classification to categorize products and analyze visual trends.

28/04/2024 – 30/05/2024
Generative Adversarial Network — Anime Character Generation

- Built a GAN from scratch using TensorFlow, Keras and Python to generate synthetic datasets.
- Set up the environment, visualized data, built pipelines, created neural networks (discriminator and generator), and generated images.

- Predicted stock closing prices using an LSTM model for companies such as Starbucks, Tesla, and McDonald's.
- Performed web scraping, feature engineering, and hyperparameter tuning to improve model accuracy.

● SKILLS

Programming

Python | React.js | Three.js | Streamlit | Git | Java | C#

AI & Data Science

Neural Networks and Deep Learning | Machine Learning | Natural Language Processing | Statistical Analysis | Predictive Modelling | Deep Learning

Libraries

OpenCV | PyTorch | Keras | TensorFlow | Pandas | Scikit-Learn

● CERTIFICATIONS

Data Science and Analytics

Certificate issued by HP Life show casing Data Analysis skills

Data Analysis with Python

Certificate Issued by freeCodeCamp showcasing skills involving data manipulation and visualizations.

● LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	B2	C1	C1
TURKISH	A2	A2	A2	A2	B1
PUNJABI	C2	C2	B2	C2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user