

# Abdul Baqi Malik

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<https://github.com/malikbaqi12> 

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I'm a dedicated Data Science student with adept problem-solving skills, well-versed in statistics, SQL, Python, and creating insightful dashboards. With a background in web development, including expertise in WordPress, PHP, Java, CSS, SQL, HTML, and C++. Now, I'm looking for a role in the field of data science.

## Experience

MARCH 2022 – JUNE 2023

### Web Developer / ICU Secure Pvt Ltd.,

- Designing and Building Websites.
- Manage content and maintenance.
- Theme Customization.
- Ensuring Website Functionality.
- Optimizing user experience.
- Collaborating with design teams.
- Implementing Web Features.
- Plugin Integration and troubleshooting.

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## Education

FALL 2022 – SPRING 2024

### Master Of Science in Data Science / Air University, Islamabad

CGPA: 3.37

**Courses (1st Sem):** • Tools & Techniques for Data Science • Machine Learning • Research Methodology • Statistical and Mathematical Methods for Data Analysis

**Courses (2nd Sem):** • Data Visualization • Deep Learning • Big Data Analytics

### BS (Computer Science) / Hamdard University

CGPA: 3.81

**Academic Project:** Forecasting Depression in Bipolar Disorder using Machine Learning Algorithms

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## Certifications

OCT 2022

### Creative Designing / E-Rozgaar

**Skills:** • Brochures and Newsletters • Logos and Business Cards • Posters and Post Cards • Social Media Posts • Stationary Design • Flyer Design • Banner Design • Thumbnail Design • Image Retouching.

MAY 2022

### **Digital Marketing / DigiSkills**

**Skills:** •Content Writing •Google ads •Social media ads •Organic social media skills •Video Marketing  
•Marketing/Data Analytics •Customer Service

OCT 2022

### **Data Analytics & Business Intelligence / DigiSkills**

**Hands-on experience:** Google Analytics, Microsoft Excel, Microsoft Power BI, Data Analysis using R,  
Data Analysis using Tableau

APR 2023

### **Project Certificates / Coursera**

- Build an Income Statement Dashboard in Power BI
- HR Analytics- Build an HR dashboard using Power BI

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## **Projects**

**Project:** Semester Project Of Course "Data Visualization"

### **Zameen.com Analytics: Power BI Dashboard**

**Description:** Explore the real estate market with our interactive Power BI dashboard powered by the Zameen.com property dataset. Discover valuable insights through various visualizations, from price trends and location analysis to property types and market performance, all at your fingertips.

**Link:**<https://github.com/malikbaqi12/Creating-Interactive-Dashboards-with-Multiple-Datasets-in-Power-BI.git>

**Project:** Research based Semester Project of Course "Big Data Analytics"

### **Maximizing Customer Value in E-commerce: Leveraging RFM Analysis and Big Data Segmentation**

**Description:** Leveraging RFM analysis and big data, this research optimizes customer value in e-commerce. By analyzing UK online store transactions, it identifies eight customer clusters, offering insights into behavior and revenue potential for targeted marketing strategies

**Link:**<https://github.com/malikbaqi12/Maximize-Customer-Value-Ecommerce-RFM-BigData-Segmentation.git>

**Project:** Research based Semester Project of Course "Deep Learning"

### **A Hybrid Approach to Emotion Classification Using Multimodal Text and Audio**

**Description:** In this paper, a novel dual-modal approach merges audio and textual data for emotion classification. By combining BERT and Modified AlexNet models, it surpasses single-modal models on IEMOCAP dataset. The work enhances human-computer interaction and inspires further research in multi-modal emotion recognition

**Link:** <https://github.com/malikbaqi12/A-Hybrid-Approach-to-Emotion-Classification-Using-Multimodal-Text-and-Audio-Data.git>

**Project:** PARTICIPATE IN GENERATIVE AI HACKATHON - LABLABAI

### **HEALER - A Virtual AI Psycho Therapist**

**Description:** Imagine a virtual AI psychotherapist that provides support and comfort to people who are feeling sad and mentally overwhelmed. This AI friend talks to them and helps lift their spirits, especially if they are having thoughts about hurting themselves. It also gives them tasks and activities to do, keeping them busy and happy, so they can feel more engaged and find joy in their daily lives. The AI is like a caring companion, always there to listen and offer encouragement to help them cope with their emotions and find a brighter path forward.

**Link:** <https://github.com/malikbaqil2/Hackathons.git>

**Project:** Final Year Project - BSCS

### **Forecasting Depression in Bipolar Disorder using Machine Learning Algorithm**

**Description:** We aim to develop a prediction model for mental illness and mood swings using Machine Learning algorithms on symptom-based patient data. By analyzing various data sets and applying different ML algorithms, we seek to achieve higher prediction accuracies than previous studies, benefiting the medical field in early diagnosis and treatment. The research involves data collection, cleaning, and visualization, followed by predictive analysis using ML algorithms to identify patients' mental states and potential episodes of depression or mania in individuals with BpD

**Link:** <https://github.com/malikbaqil2/Graduation-Final-Year-Project>

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## **Skills**

- **Programming:** C++, Python, Java, SQL, ML/DL tools & libraries.
- **MS Office** (PP, Word, Excel)
- **Communication & Design:** Clear verbal/written communication, strategic thinking, graphic designing skills.
- **Data Analysis:** Statistical analysis, predictive modeling, machine learning algorithms, analytics dashboards.

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## **Tools and Technologies**

- **Design Tools:** Adobe Illustrator, Photoshop.
- **Development & Analysis:** Visual Studio Code, PyCharm, Jupyter Notebook, Google Colab, Power BI, Tableau, Microsoft Excel, MySQL.
- **Big Data & DevOps:** Apache Hadoop, Apache Spark, Docker.

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## **Activities**

- Participate in Generative AI Hackathon by LABLABAI by Team Open Thunder, proposed solution "A Virtual AI Psychotherapist named HEALER"
- Member of Hamdard Computing Society
- Participate in Ignite Digital Hackathon Business Plan Competition in 2019.
- Elected to Manager for [Student Finance Society, Organizing student extracurricular activities week] in [2019]