MAIMOONA SABIR

ARTIFICIAL INTELLIGENCE STUDENT

[Portfolio : https://msresume22.netlify.app/#](https://msresume22.netlify.app/#) [Linkedin: www.linkedin.com/in/maimoona-sabir](www.linkedin.com/in/maimoona-sabir)

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OBJECTIVES

AI student at Bahria University Karachi with skills in AI, machine learning, and front-end development. Experienced in creating AI applications, data models, and user-friendly interfaces. Passionate about using AI and, data science to solve real-world problems. Looking for opportunities to learn and contribute to innovative projects in deep learning, NLP, and software development

EDUCATION

BAHRIA UNIVERSITY KARACHI CAMPUS **2021 - 2025 JUNE**
BACHELORS IN ARTIFICIAL INTELLIGENCE

GOVT COLLEGE FOR WOMEN BLOCK M **2018-2020**
INTERMEDIATE IN PRE ENGINEERING

BAHRIA FOUNDATION COLLEGE **2016-2018**
MATRICULATION IN SCIENCE

TECHNICAL SKILLS

- **Programming**: Python
- **Machine Learning & Deep Learning**: CNNs, RNNs, Transformers, SVMs, Decision Trees
- **Deep Learning Frameworks**: TensorFlow, PyTorch, Keras
- **Natural Language Processing (NLP)**: Tokenization, Embeddings, Transformers (BERT, GPT)
- **Computer Vision**: OpenCV, Object Detection, Segmentation

SOFT SKILLS

- **Problem-Solving & Critical Thinking**
- **Effective Communication & Collaboration**
- **Creativity & Innovation in AI Solutions**
- **Adaptability & Continuous Learning**
- **Project & Time Management**
- **Ethical AI Awareness & Fairness**
- **Attention to Detail & Model Optimization**

PERSONAL PROJECTS

AI BASED RESUME RANKING AND EMAIL AUTOMATION

- Developed a Python-based automation script to fetch, parse, and rank resumes using GPT-3.
- Implemented IMAP-based email fetching to extract resumes from emails.
- Designed a resume ranking system that evaluates candidates on a 1-10 scale using GPT-3.
- Automated email responses based on ranking, sending personalized emails to candidates.
- Utilized Spacy, NLTK, PyPDF2, and python-docx for candidate information extraction.
- Logged processed resume summaries into a JSON database for tracking and analysis.

AI BASED FLOWER RECOGNITION SYSTEM

- Developed a Convolutional Neural Network (CNN) using Keras & TensorFlow to classify flowers into four categories (Daisy, Sunflower, Tulip, Rose).
- Preprocessed and augmented images from the Flowers Recognition dataset (Kaggle) to improve model performance.
- Implemented label encoding, one-hot encoding, and image resizing for structured data input.
- Trained the model for 21 epochs with a batch size of 256, optimizing with the Adam optimizer and categorical crossentropy loss.
- Evaluated performance using accuracy and loss curves and visualized correct and misclassified predictions.

AI BASED HEALTH DIAGNOSIS SYSTEM

- Developed a Flask-based web application for heart disease and PAD prediction using Logistic Regression & Random Forest.
- Implemented a chatbot to interact with users, collect health data, and validate inputs dynamically.
- Designed PDF report generation with patient details, prediction results, and health recommendations using ReportLab.
- Integrated email automation (SMTP - Outlook) to send personalized health reports.
- Built an interactive dashboard with Chart.js for visualizing disease risk factors using scatter plots, bar charts, radar charts, and pie charts.
- Managed user authentication and data storage using JSON files and CSV datasets.

CERTIFICATES

Python Programming - From Basics to Advance Level [2023]
Udemy

Data Analysis with Python
Coursera

EXPERIENCE

CODING SAMURAI **8/2023-9/2023**
DATA SCIENCE INTERN
Virtual Internship

RESEARCH ANALYST **3/2023-Present**
REMOTE