Muhammad Saad Mehmood

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Islamabad, Pakistan

PROFESSIONAL SUMMARY

I am a motivated and detail-oriented BSc Artificial Intelligence student specializing in machine learning, chatbot creation, full-stack web development, and CMS solutions. Experienced in applying modern technologies to design efficient and scalable solutions that address real-world challenges. Possesses a strong programming foundation and solid grasp of core AI concepts, complemented by proven problem-solving skills and a passion for continuous learning. Committed to thriving in fast-paced, collaborative environments that prioritize innovation and meaningful impact.

EDUCATION

- **COMSATS University Islamabad**   **2023-2027**
  Bachelors in Artificial Intelligence   Islamabad, Pakistan

TECHNICAL SKILLS

- *Artificial Intelligence / Machine Learning:*
- *Python, NumPy, Pandas, Matplotlib, Pytorch, Scikit-learn*
- *Programming (Java, C/C++, Python, Javascript)*
- *Web Development:*
  - *(HTML, CSS, JavaScript, React, SQL Databases, Mongodb, Wordpress, Shopify, Wix)*
- *Others (Git & Github, Docker)*

EXPERIENCE/PROJECTS

Machine Learning

- *Built a regression model to predict housing prices based on features like location, size, and number of rooms.*
- *Created a classification model to identify customers likely to leave a subscription service using logistic regression and decision trees.*
- *Implemented ML algorithms (logistic regression, k-NN, k-means, Decision trees,) and used PyTorch for training models.*

Artificial Intelligence (Python) *Implemented game strategies using AI algorithms*

- *Developed a Match 4 game featuring Monte Carlo Tree Search (MCTS) and Min-Max Alpha-Beta pruning for decision-making.*
- *Enabled various gameplay modes, allowing human vs. AI and AI vs. AI to demonstrate algorithm efficiency.*
- *Chabot Development*

Web Development: Wordpress

- *Develop a Blog and news website (page56.com)*
- *Develop a company's portfolio website (codelixi.com)*
- *Develop a game-blog website (magshadowwar.com)*

Full Stack Development: Mern
- *Develop a website for CAIS-COMSATS AI SOCIETY*

Data Structures and Algorithms (Dijkstra & Prim's Algorithm) *Developed a small network simulation in C++*

- *Implemented Dijkstra's and Prim's algorithms to find the shortest paths and create a Minimum Spanning Tree (MST) from a dummy network read from a file.*
- *Enhanced understanding of graph theory and algorithm efficiency.*

University Management System (Java)

- *Created the university management system in java, in which we can add, update and delete the data. Teacher and Students have separate portals to check the progress and other related data*

CO-CURRICULAR ACTIVITIES

Career Expo Organizer (FA'23)-ILC Society

Successfully organized the Career Expo event, managing logistics and coordinating with industry representatives to connect students with career opportunities.

Event Manager, CAIS – COMSATS AI Society

Led the planning and execution of the Model Training Competition, promoting practical AI skills and fostering community engagement within society.

Active Member, COMSATS AI Society

Participated in workshops, seminars, and competitions focused on AI and machine learning, enhancing technical knowledge and teamwork abilities.

Additional Information

Languages: English, Urdu, Punjabi
Interests: Cricket, Volleyball, Online Gaming