Shahad Baalkhashir

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Education

King Abdulaziz University   June 2024
Bachelor in Computer Science GPA: 4.77 / 5.00   *Jeddah, Saudi Arabia*

Experience

Microsoft Student Club Member   January 2023 – December 2023
UI/UX Developer   *Jeddah, Saudi Arabia*
- Enhanced UI/UX development skills through workshops, hackathons, and industry events such as the Savola Company workshop. Collaborated with club members to organize and promote events encouraging student participation and learning.

Center of Excellence in Intelligent Engineering Systems (CEIES)   July 2023 – August 2023
AI Specialist Trainee   *Jeddah, Saudi Arabia*
- Designed and developed an application utilizing real-time data processing algorithms for stress detection, featuring a user-friendly interface for visualization and interaction.

AI Unit DRAG   December 2023 – June 2024
AI Executive Member   *Jeddah, Saudi Arabia*
- Leading the development of AI programs for students at KAU, including creating courses, organizing hackathons, and fostering an effective AI community.

Projects

Sukoon | *Python, FastAPI, Flutter, JavaScript, Laravel, PHP, MindMonitor, MUSESDK*

- Developed a mobile app and doctor's website that utilize remote brain wave monitoring and AI to deliver real-time insights for better mental healthcare and treatment of neurodevelopmental disorders.

Noa'a | *Figma, UML*

- Contributed to the development of an Automated Hydroponics System for OXAGON city through requirements gathering, use case development, and prototyping.

MindEase | *Python, Flask, React-Native, JavaScript, Firebase, Emotiv SDK*

- Built a real-time stress prediction app using Emotiv EEG data and feature extraction. Preprocessed neural data for accurate analysis.

Fire Detection | *Python, TensorFlow, PyTorch*

- Developed deep learning model using ResNet-50 for image fire detection, achieving 95% accuracy on challenging, imbalanced dataset replicating real-world conditions.

Arabic Poetry Classification | *Python, NLTK, FastText*

- Developed a method to classify Arabic poetry by poet to authenticate works amidst deepfake challenges using extensive preprocessing and text transformation techniques.

Peaklytics | *Machine Learning, Ollama, Streamlit, FastAPI*

- Developed a predictive business tool using machine learning and Streamlit to estimate success likelihood and provide actionable insights, empowering businesses with data-driven decision-making.

Technical Skills

Programming Languages: Python, SQL, Java, JavaScript, CSS, PHP

Frameworks & Libraries: FastAPI, Pandas, Scikit-learn, TensorFlow, NumPy, Streamlit

Tools & Platforms: Docker, Postman, Jupyter Notebook, OpenAI APIs, Git

Certificates

- **Deep Learning Specialization** (Coursera, SDAIA FutureX, Oct 1, 2022)
- **Advanced AI Program** (KAUST AI Academy, May 24, 2023)
- **LLMs Practitioner** (SDAIA Academy, Nov 13, 2023)
- **Building APIs From Scratch** (Google Developer Student Clubs, Jan 30, 2024)
- **2nd Place, KAU Scientific Forum - EEG based Emotion Detection** (SSF, May 1, 2024)
- **IELTS Certification** (Band 7, IDP, Jul 2024)
- **Le Wagon Data Science Bootcamp** (Saudi Digital Academy, Nov 2024)
- **GANs SDAIAxCoursera** (SDAIA Academy, Dec 2024)