AHMAD KHALID HUSSAIN

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PROFESSIONAL SUMMARY

I'm a proactive and achievement-focused expert with an extensive skill set encompassing computer science, software development, data analytics, and artificial intelligence. My unwavering dedication centers on harnessing the latest technologies to address tangible societal challenges and drive positive transformations. Additionally, I'm deeply inclined toward research, aspiring to delve deeper into these domains to fuel innovation and bring about substantial advancements.

Interests: Artificial Intelligence and Machine Learning | Natural Language Processing | Computer Vision and Image Processing | Data Science and Big Data Analytics

EDUCATION

Federal University Lokoja, Kogi State, Nigeria.   2023
Bachelor of Science (B.Sc.) in Computer Science
Final Grade: First Class Honors   GPA: 4.75/5.00
Thesis Title:
Design and Implementation of a Road Spot Anomaly Maintenance System in Nigeria Using Computer Vision.

SKILLS AND COMPETENCES

- **Front-end Technologies**: HTML, CSS, Bootstrap, jQuery, JavaScript, React.js
- **Microsoft Office**: Microsoft PowerPoint | Microsoft Word | Microsoft Excel
- **Social Media**: Skype | Facebook | Zoom | Instagram | LinkedIn | WhatsApp | Internet user
- **Databases**: MySQL, Mongo DB, PostgreSQL, SQL
- **Data Visualization Tools**: Microsoft Excel | Microsoft PowerBi
- **Research Skills**: Data Wrangling | Statistical Analysis | Report Writing | Feature Engineering | Web Scraping

RESEARCH EXPERIENCE

Undergraduate Research Assistant, Department of Computer Science   2022-2023
Federal University Lokoja, Kogi State, Nigeria
Supervisor: Mrs. Temitope Oluwafemi
- Collected and categorized road image datasets for system training and testing.
- Conducted literature research on existing road spot detection and maintenance procedures and technology.
- Created deep Learning algorithms to detect road faults and potholes automatically with an accuracy of 88%.

Undergraduate Research Assistant, Department of Computer Science
2022-2023
Federal University Lokoja, Kogi State, Nigeria
Supervisor: Dr. Emeka Ogbuju
- Led a team of researchers in developing a GPA-predicting system for university students.
- Oversaw the data collection and preprocessing phase, ensuring data quality and integrity.
- Designed and implemented machine learning models to predict student GPAs based on various academic and non-academic factors, and the random forest performed well with a 75% accuracy.
- Coordinated team meetings and managed project timelines to ensure the successful completion of milestones..
- Presented the GPA predicting system at a university.

PUBLICATIONS

 (in review)

TEACHING EXPERIENCE

Assistant Lecturer

Isah Mustapha Agwai I Polytechnic Lafia, Nasarawa State, Nigeria.   2023-Present

- Deliver lectures and tutorials on Python programming and computer applications packages, and develop course materials and curricula.
- Assess and grade student assignments and projects, providing academic support and guidance to students.
- Participate in professional development activities to enhance teaching skills and stay updated with industry trends.

Academic Tutor   2019-2023

Faculty of Science, Federal University Lokoja, Kogi State, Nigeria

- Coached and mentored undergraduates for academic excellence.
- Prepared academic materials and organized tutorials for colleagues and other students at lower levels.

ICT Instructor   2021-2022

Cali Vision Academy Lokoja, Kogi State, Nigeria

- Ensured secondary school students received fascinating and useful IT classes.
- Planned and executed a complete IT education program.
- Assisted students in developing core IT skills, including computer operation, software usage, and basic programming principles.
- Organized and monitored practical workshops to enhance hands-on learning experiences.

CONFERENCE/WORKSHOP ATTENDED

- Deep Learning IndabaX Nigeria: AI-Driven Innovation for a Digital Economy in Nigeria 2024

- Deep Learning IndabaX Nigeria: Human-Centric AI for a Digital Nigeria   2023
- NITDA Conference: Implication for Digital asset innovation   2022
- Data Science Nigeria: Artificial Intelligence Invasion   2021

INDUSTRIAL EXPERIENCE

Technical Support Officer

Al-Harir Global Services, Lokoja, Nigeria.   Feb. 2022 – Nov. 2023

- Assisted end-users with technical support and troubleshooting through phone, email, and chat.
- Detected and fixed software problems with computer systems, applications, and network connections.
- Aided users with software program and device installation, configuration, and use, ensuring proper technology utilization.

IT Consultant

Prosper Digital World, Lokoja, Nigeria.   Mar. 2021 – Nov. 2023

- Examined information technology systems, identified areas for improvement, and made recommendations to enhance IT operations.
- Assessed the performance of existing IT systems, offering ways to increase efficiency, save costs, and improve security.
- Advised and assisted clients with IT-related issues, including software and hardware acquisition, installation, and maintenance.
- Conducted training seminars to educate clients on new technologies and IT best practices.

Data Analyst Intern

Excelerate, Dubai, United Arab Emirates   Jun. 2023 – Jul. 2023

- Collaborated with Globalshala's Marketing team for efficient data analysis.
- Provided cost-saving recommendations to the Finance team and Created persuasive presentations using data analysis and visualization.
- Utilized data insights to support recommendations and Designed visually appealing presentations for Finance.

Data Scientist Intern
National Midstream and Downstream Petroleum Regulatory Authority, Lokoja, Nigeria Mar. 2022 – Aug. 2022
- Collaborated with the lead data scientist to conduct analysis for detecting adulteration in petrol samples.
- Gained valuable experience in the field of adulteration detection by working closely with a dedicated team.
- Enhanced skills in data analysis and contributed to improving the accuracy of petrol quality assessments.

Frontend Developer
Al-Harir Global Services, Kogi, Nigeria   Jan. 2021 – Jan. 2022
- Collaborated with the design team to develop user interface concepts for online apps.
- Created efficient code using HTML, CSS, and JavaScript.
- Ensured aesthetic consistency with the design team.

VOLUNTEERING & LEADERSHIP EXPERIENCE

Data Collector (UNICEF)   **Aug. 2023 - Dec. 2023**
- conducted comprehensive data collection activities in collaboration with local communities, healthcare facilities, and government agencies.

Data Analyst (NYSC-SAED).   **Nov. 2023 - Dec. 2023**
- collected and organized data from various sources to help achieve organizational goals.
- cleaned and verified the collected data to ensure it was accurate and reliable.
- analyzed the data and offered practical insights to answer specific questions, aiding in better decision-making.

AWARDS & HONORS

Student Tutor of the Year - 2023: Outstanding Academic Performance
Ayomide Ajiboye Foundation Scholarship and Mentorship Scholar (USA) - 2023: Outstanding Academic Performance.
Dean's Honour Award, 2020 - 2023: Outstanding Academic Performance.
Department Contribution Award - 2022: Outstanding Academic Participation.
Letter of Recommendation Appraisal - 2022: Outstanding Work Performance.
Kogi State Bursary Scholar - 2020: Outstanding Academic Performance.