**Statement of Purpose for Ph.D in Computer Science**

I am writing to express my keen interest in pursuing a Ph.D. in Computer Science at King Fahd University of Petroleum & Minerals. With a solid foundation in software development, artificial intelligence, and machine learning, I am excited about the opportunity to contribute to and grow within your esteemed program.

I completed my Bachelor of Science in Computer Science in 2020, where I developed a strong proficiency in software development using C++ (Qt Framework) and website development, both front-end and utilizing PHP as a backend programming language. This foundational experience cultivated my problem-solving skills and fostered a deep interest in the field of technology.

My Master’s degree in Computer Science further advanced my expertise, particularly in artificial intelligence and machine learning. I delved into various algorithms such as Random Forest, Logistic Regression, SVM, Decision Trees, and KNN, and gained hands-on experience in designing, training, and evaluating neural networks. Additionally, I explored the emerging field of Explainable AI (XAI), becoming adept at using SHAP, summary plots, waterfall plots, decision plots, and force plots to interpret and explain AI models.

The blend of my academic background and practical experience has not only prepared me for advanced research but also ignited my passion for contributing to innovative solutions in AI. I am particularly interested in the application of AI in solving real-world problems and believe that King Fahd University’s Ph.D. program will provide the ideal environment to pursue this interest. The opportunity to work with renowned faculty and access to cutting-edge research facilities aligns perfectly with my career aspirations.

I am confident that my dedication, academic background, and passion for research make me a strong candidate for the Ph.D. program. I am eager to bring my expertise and enthusiasm to King Fahd University of Petroleum & Minerals and contribute to the advancement of AI research.

Thank you for considering my application. I look forward to the possibility of joining your prestigious program.

Sincerely,

Mubashir Iqbal

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