

Kamran Khalid

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Objective

Motivated and detail-oriented AI enthusiast with a strong background in machine learning, neural networks, and data analytics. Passionate about building intelligent systems that solve real-world problems in healthcare, finance, and other impactful domains. Eager to contribute to innovative AI projects that emphasize performance, privacy, and ethical responsibility.

Technical Skills

Deep Learning Frameworks: PyTorch, TensorFlow, Keras, LangChain

Programming: Python, R, SQL, C#, HTML, CSS, JavaScript

Machine Learning: Neural Networks, Random Forest, SVM, Decision Trees, Gradient Boosting, K-Means, PCA, Logistic Regression, Statistical Analysis

BI Tools: Tableau, Power BI, MS Excel

Project Management: JIRA, SAFe

Networking: Wireshark, TCP/IP protocols, Routing and Switching

Education

University of South Florida, Florida, USA

Master of Science in Artificial Intelligence Business Analytics (Expected Spring 2026)

GPA (Spring 2025): 4.00

- Deep Learning: A
- Advanced System Analysis and Design: A
- Data Warehousing: A

GPA (Fall 2024): 3.89

- Advanced Database Management: A
- Machine Learning: A
- Foundations of Business Statistics: A-

SSM College of Engineering and Technology, Kashmir, India

Bachelor of Engineering in Electronics and Communications Engineering (2019)

Score: 66

Academic Projects

Privacy-Preserving Federated Learning for Neurological Disorder Diagnosis

- Built a federated learning system to collaboratively train models across institutions without exposing raw patient data.
- Integrated differential privacy to enhance security and patient confidentiality

Diabetic Retinopathy Detection using Deep Learning

- Built an EfficientNetBO-based model to classify images for diabetic retinopathy detection
- Achieved high accuracy by using data augmentation and dropout for regularization.

Breast Cancer Risk Prediction

- Utilized the Wisconsin dataset to predict breast cancer risks.
- Cleaned data and implemented a Random Forest Regressor, achieving accuracy of 91.38%.

Mental Health Risk Assessment Using Neural Networks

- Pre-processed Kaggle datasets and applied deep learning models to assess mental health risks.
- Utilized PyTorch for model implementation, achieving 83% accuracy.

Heart Attack Risk Prediction

- Conducted predictive analysis using a Kaggle dataset.
- Cleaned data and applied a Random Forest model, achieving an accuracy of 64%.

Statistical Analysis of a Retargeting Campaign

- Analyzed matched datasets to evaluate campaign success.
- Cleaned data and conducted statistical analysis, generating actionable insights.

Experience

Network Administrator — Indokash (06/2021 – 03/2023)

- Resolved internet and network-related issues for clients.
- Managed LAN and WAN communication systems.
- Conducted system installations and provided technical support.

IT Network & CCTV Support Engineer — Apprentice Technologies (08/2020 – 08/2021)

- Designed and implemented IP CCTV networks.
- Installed and maintained CCTV systems.
- Diagnosed and resolved software, networking, and hardware issues.

Additional Information

- Open to in-person collaboration and weekly research meetings.
- Passionate about AI security, privacy, and ethical AI development.
- Strong problem-solving skills with hands-on experience in deep learning frameworks.