IKRAM ELAHI HASHMI

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**SUMMARY**

Passionate Android Developer & AI/ML Developer with experience in building scalable applications and intelligent solutions. Adept at developing AI models, optimizing machine learning algorithms, and deploying applications. Committed to continuous learning and staying updated with the latest technologies.

**EDUCATION**

## **Matric**: Meezan International High School, Sahiwal – 968/1100 Marks (2019)

## **F.SC:** Punjab Group of Colleges, Sahiwal – 992/1100 Marks (2021)

## BS Software Engineering (Ongoing)

**PROJECTS**

# **1:** **Student Shield (Android App):**

# Student Shield is a safety-focused Android app designed to empower university students by providing emergency SOS alerts, incident reporting, and self-defense resources. It ensures quick assistance through automated alerts to contacts and security personnel, promoting a secure campus environment.

# **2: Machine Learning & Deep Learning Projects:**

# **Spam Detection Using NLP:**

# Developed a machine learning model to classify messages as spam or not using Natural Language Processing (NLP). Applied text preprocessing techniques like tokenization, stop word removal, and TF-IDF vectorization, using models such as Naïve Bayes for accurate spam detection.

# **Brain Tumor Detection:**

# Created a deep learning model to classify brain tumors using MRI scan images. Implemented Convolutional Neural Networks (CNN) with TensorFlow and Keras for image processing and feature extraction, achieving high accuracy in tumor detection.

# **Big Mart Sales Price Prediction:**

# Developed a machine learning model to predict Big Mart sales prices based on product and store features. Used regression models (Linear Regression, Random Forest) with feature engineering and hyper parameter tuning to improve accuracy.

# **Mall Customer Segmentation:**

# Created a machine learning model for mall customer segmentation using clustering techniques. Applied K-Means and hierarchical clustering to analyze customer spending behavior and group them into distinct segments for targeted marketing strategies

# **End-to-End Machine Learning Pipeline:**

# Developed and deployed machine learning models using Google Colab and transitioned them to VS Code for production.

# Built complete ML pipelines, including data loading, preprocessing, model training, and evaluation.

# Implemented hyper parameter tuning and model optimization techniques to improve performance.

# Used Flask and Docker for deploying models into production environments.

**SKILLS**

# Android Development (Java, XML)

# Python (NumPy, Pandas, Scikit-Learn, Matplotlib)

# Machine Learning & AI Pipeline Development

# Machine Learning (Regression, Classification, Clustering, SVM, PCA)

# Deep Learning (ANN, CNN, TensorFlow, Keras)

# Model Evaluation & Hyperparameter Tuning

# Chatbot Development

# Flask & Docker

# Git & Github

**Certification**

**AI Automation Agency - Chatbot Creation**  
*Udemy | Year of Completion: 2025*  
Learned to build AI-powered chatbots without coding using ChatSimple.ai, automating customer interactions and business workflows.