

# ADEENA RAMZAN

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## Professional Summary

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Aspiring Machine Learning Engineer with hands-on experience in developing and deploying AI models using Python, TensorFlow, and PyTorch, along with practical background in WordPress development. Skilled in Deep Learning, NLP, and model evaluation, and experienced in building responsive websites using Elementor, custom CSS, and WordPress customization. Passionate about combining AI and web technologies to create intelligent, user-focused digital solutions.

## Skills

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- **Programming & ML:** Python, Regression, Classification, Model Evaluation, Feature Engineering, Hyperparameter Tuning, Cross-validation
- **Deep Learning & NLP:** Neural Networks, CNNs, ResNet, MobileNet, Transfer Learning, Transformers, BERT, Text Classification, Sentiment Analysis
- **Web Development & WordPress:** WordPress, Elementor, Custom CSS, Theme Customization, Plugin Configuration, Responsive Design, Website Maintenance
- **Frameworks & Tools:** TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, FastAPI, Streamlit, Gradio, Hugging Face, Git, GitHub
- **Mathematics & Core:** Statistics, Probability, Linear Algebra, Calculus

## Work Experience

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### AI Trainee Intern — Wenawa (Hybrid)

*September 2025 – Present*

- Developed and optimized deep learning models for skin-disease detection using ResNet-50, achieving high validation accuracy.
- Engineered data preprocessing and augmentation workflows that improved model robustness and generalization by reducing overfitting.
- Deployed trained models via Gradio on Hugging Face Spaces, enabling real-time AI predictions and user interaction.
- Conducted technical research on open-source repositories such as Averion Labs Front-End to strengthen AI–UI integration for production.

### WordPress Intern Developer — Cloudbourne Consultancy (On-site)

*March 2025 – June 2025*

- Assisted in the development and maintenance of WordPress-based websites under the supervision of senior developers.
- Customized website layouts using Elementor and custom CSS to enhance UI/UX.
- Implemented theme modifications, plugin configurations, and content updates.
- Troubleshoot and resolved basic plugin, layout, and responsiveness issues.
- Collaborated with design and development teams to meet project timelines and deliver client-ready solutions.

## Education

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### Bachelor of Computer Science (BSc)

*2023 – Present*

University of Karachi (UBIT), Karachi, Pakistan

## Projects

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- **AI Skin Disease Detection (Deep Learning / Computer Vision):** Engineered a high-accuracy skin-disease classifier using the DermNet dataset and ResNet-50 transfer learning. Applied data augmentation, regularization, and multi-phase fine-tuning to handle diverse skin conditions. Deployed an interactive Gradio UI on Hugging Face Spaces for real-time predictions and explainable AI visualization. [View]
- **Text Emotion Detection (NLP):** Designed and deployed an NLP-based text-emotion analyzer achieving 90 % accuracy using TF-IDF and Logistic Regression. Optimized preprocessing, model tuning, and runtime efficiency. Deployed on Streamlit for responsive real-time inference. [View]
- **ML Prediction Suite (Customer Churn and Heart Health):** Built and deployed ensemble ML pipelines to predict customer churn (92 %) and heart-disease risk (88 %). Automated data cleaning, feature selection, and normalization. Delivered interactive Streamlit dashboards providing real-time analytical insights. [Churn] [Heart Health]

## Certifications

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- **Web Designing** — Softech
- **Deep Learning Specialization** — DeepLearning.AI
- **TensorFlow Developer Certificate** — Google
- **N8N Chatbot Lab** — DataCrumbs
- **AI Python for Beginners** — DeepLearning.AI
- **Machine Learning Introduction for Everyone** — IBM
- **Python Essentials 1** — Cisco
- **Python for Data Analysis (Pandas & NumPy)** — Coursera
- **Introduction to GitHub Concepts** — DataCamp
- **Google Soft Skills Certification** — Google