

Salman Abdul Hameed

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Summary

I'm a data science and machine learning developer with a passion for solving problems using AI and ML. My work focuses on building creative solutions that make a real difference. I enjoy working solely or with teams to build innovative machine learning, data science, and generative AI solutions. I'm always eager to learn and contribute to projects that push the boundaries of what's possible.

My Notable Projects

Brain Tumor Multi-Classification using DL

Developed a user-friendly system for multi-class classification of brain tumors from MRI scans, significantly enhancing diagnostic efficiency.

Employee Resignation Prediction using ML

Advanced prediction system with multi-model comparison, real-time predictions & API integration to optimize HR strategies & reduce attrition.

AI Text Detection using NLP & ML

Built AI text detection suite, an user-friendly system with web, custom API, extension and BERT-HDT model achieving 99.97% accuracy.

Realtime Hybrid System for Colonoscopy Analysis

Developed a custom hybrid deep learning system for real-time polyp **detection & segmentation**, achieving optimal accuracy in clinical procedures.

Books To Life: Intelligent RAG System

I built PDFGENIE, a powerful RAG app that lets you manage, **chat** with & summarize Books. It even remembers what you've discussed.

Hybrid Co-Author: Combing Human Mind with AI

Created AI-human collaborative writing platform which accelerates books, research papers production. Could transform knowledge generation across industries.

AI Language Boost Pro

Created an AI-based language learning platform that supports non-native speakers with personalized simulations for reading, writing, speaking, and IELTS prep. Real-time feedback and interactive features enhance user progress and fluency.

Next-Gen AI Learning System

Built AI-powered platform that simplify complex topics, provides personalized insights, dynamic conversations, offers many useful auto features for research. It has potential to transform education.

AI CV Optimization & Builder

Created an AI tool to customize CV sections, optimize content, and offer quality recommendations. Features an interactive builder, conversation, and preparation tools to elevate CV quality for job seekers.

Rest of my projects are available in my [Portfolio](#)

Work Experience(2020 - 2024)

- I developed **30+** machine learning, deep learning and computer vision projects, including MS-level research work, showcasing versatility in AI domain.
- Created AI-powered browser extensions Including:
 - An Advanced Automated solution for [LEET-Code](#) and [Hacker-Rank](#) coding challenges.
 - A quiz solver for various educational platforms including [VU](#) & [wscubetech.com](#) for Research purpose.
- Implemented multiple Generative AI projects using Large Language Models (LLMs) showcasing expertise in emerging technologies.
- Contributed to [GITHUB](#) repository & developed **python packages** available on pypi.org, demonstrating commitment to the developer community.

Specialization

Data Science Machine Learning Deep Learning
Generative AI Problem Solving

Certifications

- Machine Learning with SCIKIT-Learn
 - Deep Learning Applications with KERAS
 - Supervised Machine Learning Essential Training
 - Building NLP Apps with HF Transformers
 - Auto-ML build production ready models quickly
- Further can be provided if needed. Thanks

Language Urdu, English

Skills Utilized

Python, Pandas, Scikit-Learn, Keras, Flask, SQL, LLM, LangChain, PHP, Fine-Tuning, Embeddings, API, UML,

Education

BS in Computer Science (2014 - 2018)
Virtual University of Pakistan

Hobbies

I love creativity and problem-solving, so in my free time, I play chess, watch anime, and explore imaginative ideas.