

ABRAR AHMAD

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SUMMARY

AI Engineer skilled in Agentic AI, RAG, and ML/DL model development, with expertise in building autonomous AI agents and intelligent automation systems. Passionate about advancing Generative AI and data-driven intelligence through cutting-edge, scalable solutions.

WORK EXPERIENCE - (Projects)

- **Regional Text Recognition using Machine Learning** :- Developed an OCR-based ML pipeline for accurate recognition of Urdu Language script using CNN and preprocessing-based feature extraction, improving multilingual document accessibility. ([Link](#))
- **AI-Powered Resume Analyzer with Gemini-Integrated Chatbot** :- Built an end-to-end HR automation system combining LLM (Gemini API) with NLP models for resume parsing, scoring, and intelligent candidate screening via interactive chatbot. ([Link](#))
- **Brain Tumor Classification using Student-Teacher Architecture** :- Implemented a deep learning model using knowledge distillation for efficient and accurate tumor detection from MRI scans, optimizing inference time without compromising accuracy. ([Link](#))
- **IUST Admission Queries Chatbot (WhatsApp Integration)** :- Designed and deployed an AI- driven WhatsApp chatbot for Islamic University of Science & Technology (IUST), automating admission-related queries and improving response efficiency. ([Link](#))
- **Intelligent Monitoring and Disinfection Equipment** :- Created an IoT-based AI system for automated monitoring and disinfection in public spaces, reducing disease transmission during the COVID-19 pandemic through sensor-driven automation. ([Link](#))

EDUCATION

M.Tech in Artificial Intelligence

Sep 2024 - June 2026

Islamic University of Science and Technology

- Specialization in Artificial Intelligence and Machine Learning.
- Key Courses: Deep Learning, Natural Language Processing, Agentic AI Systems, and Intelligent Automation.

B.Tech in Electronics and Communication Engineering

Aug 2019 - Sep 2023

Islamic University of Science and Technology

- Embedded Systems, Signal Processing, and Communication Systems.

ADDITIONAL INFORMATION

- **Technical Skills:** Agentic AI Systems · Retrieval-Augmented Generation (RAG) · Machine Learning · Deep Learning · Natural Language Processing · Computer Vision · Generative AI · Python · TensorFlow · PyTorch · LangChain · Gemini API · Automation & AI Chatbots · Data Analysis · Cloud AI (AWS, Google Cloud) · Flutter (AI-Integrated Mobile Apps)
- **Certifications:** Python for Deep Learning · Computer Vision Fundamentals · Flutter and Dart (IBM) · Unsupervised Learning, Recommenders & Reinforcement Learning (DeepLearning.AI) · AWS APAC Solutions Architecture · Generative AI Fundamentals · Introduction to Large Language Models · Machine Learning Fundamentals with Python · AI-Powered Chatbots & Automation · Crash Course on Python · Computer Vision using Python contributions to project innovation.