

# Muhammad Asif

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## INTRODUCTION

Highly motivated and detail-oriented AI/ML Engineer with a strong foundation in full-stack development and data management. Proficient in modern frameworks and tools including Laravel, Node.js, React, FastAPI, and PyTorch. Experienced in developing and deploying advanced AI solutions, including Retrieval-Augmented Generation (RAG), LangChain, n8n workflows, and fine-tuning AI models. Passionate about driving innovation through practical, scalable applications of machine learning and automation.

## EDUCATION

**Pakistan Navy Engineering College, NUST, Karachi**

BS-Management Information Systems (2017-2021)

## TECHNICAL SKILLS

Backend: Laravel, Node.js, Express.js, Next.js, Nest.js, FastAPI

Frontend: Blade, React, jQuery, Ajax

Databases: MongoDB, SQL, Redis

ML frameworks: PyTorch, Hugging Face Transformers

Fine-Tuning Tools: Wandb (Weights & Biases)

Languages: HTML, CSS, JS, PHP, and Python

## EXPERIENCE

**Government of Pakistan.**

July 2021- Current

*Full Stack Developer*

- I have built robust real-time web applications, e-commerce platforms, and management systems.
- Worked on multiple libraries, e.g., Laravel, React.js, Node.js, git, and Express.js.
- Assisted in the development and maintenance of software applications, contributing to project milestones.
- Collaborated with development teams to ensure the timely delivery of software features and bug fixes.

**Vital Analytics, US (Remote).**

March 2025- Current

*AI/ML Engineer*

- Fine-tuned and deployed multiple AI Models, e.g., gemma4-B, Qwen, Helsinki, Mistral & Deepseek.
- Deployed Customised Agentic AI solutions with RAG & langchain technologies.
- Used MCP Protocols for customized AI solutions.

## PROJECTS

- **E-Dossier (Final Year Project)**

Implemented an automated dossier management system for students, streamlining the process and enhancing efficiency with features like Automated dossier management, User-friendly interface using HTML, CSS, and JavaScript, Robust backend built with CodeIgniter, and Secure database management using SQL.

- **Worked on multiple confidential projects**