Muhammad Usman Tahir

AWS Certified Generative AI Professional | AWS Certified AI Practitioner

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Portfolio | LinkedIn | Github | Credly

Summary:

AWS Certified Generative AI Professional with a Bachelor's in Computer Science and 1+ years of experience building production-grade AI solutions at Experts Cloud. Proven expertise in architecting RAG workflows, fine-tuning Foundation Models, and deploying scalable AI solutions on AWS Bedrock. Methodical problem-solver focused on delivering high-quality technical milestones.

Core Certifications:

AWS Certified Generative AI Professional (Validated: March 2, 2026)
AWS Certified AI Practitioner (Validated: Dec 20, 2025)

Professional Experience:

Experts Cloud | AI Engineer Intern | Oct 2025 – Present

- **Built and tested production-ready GenAI applications on AWS Bedrock**, implementing Foundation Models (Claude/Llama) to solve complex business logic.
- **Architected and deployed full-stack solutions** using **Next.js** and **Adonis.js**, integrating Bedrock for real-time natural language processing.
- **Developed high-performance REST APIs** and managed asynchronous workflows to connect front-end interfaces with cloud-native AI models.
- **Implemented secure data storage** using **Amazon S3** and fine-tuned **IAM roles** to ensure enterprise-level data privacy and security.

Projects:

AI Ismaili Translation Platform | AWS Bedrock (Knowledge Bases), Next.js, Adonis.js, S3

- Architected a specialized translation engine utilizing **Knowledge Bases for Amazon Bedrock** to provide context-aware translations for specific cultural datasets.
- Developed a high-performance **Adonis.js** backend to manage API requests and utilized **Amazon S3** for efficient document storage and retrieval.
- Implemented a seamless **Next.js** frontend to display real-time AI responses, focusing on low-latency user interaction.

Cloqr: AI-Powered Fashion Application | Next.js, Adonis.js, AWS Bedrock, S3

- Led the backend development of a fashion-tech platform, building APIs to handle complex user data and image processing.
- Integrated **AWS Bedrock** to provide personalized fashion recommendations and utilized **Amazon S3** for scalable, secure image storage.
- Managed the project through **structured milestones**, ensuring smooth integration between the database and cloud services.

Technical Skills:

- **Cloud:** AWS (Bedrock, SageMaker, Lambda, S3, IAM)
- **AI/ML:** Generative AI, LLMs, RAG Architecture, Prompt Engineering
- **Languages:** JavaScript/TypeScript (Primary), C++ (Basics)
- **Frameworks:** Next.js, React.js, Adonis.js, Express.js, Electron.js
- **Tools/Devops:** Git, Linux (Ubuntu), Postman, REST APIs
- **Database:** PostgreSQL/MySQL

Education:

- **Bachelor of Science in Computer Science** | Government College University Faisalabad (Sep/2025)
- **Intermediate in Computer Science** | Government Boys Degree College