





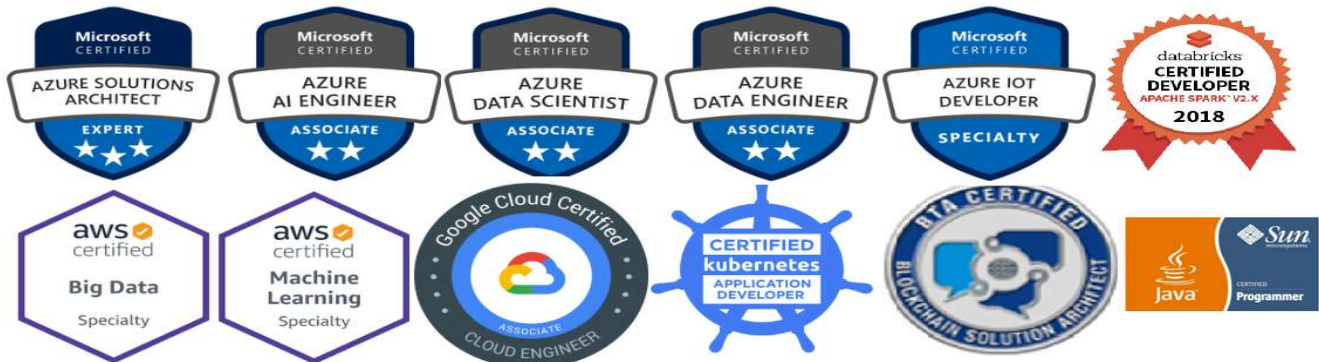


Dr. Farrukh Akhtar

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Summary







- **Security Clearance** - Holding NV1 Security Clearance.
- A globally accomplished technology leader with 20 years of experience driving innovation in Cloud, Data Science, Big Data, and Blockchain across diverse industries.
- Proven success delivering large-scale applications and AI-driven solutions across major global markets, including Australia, USA, Malaysia, Singapore, Germany and Dubai.
- Recognized as a **Databricks Champion** (ranked No. 8 worldwide) and ranked No. 2 globally for international certifications, reflecting an unwavering commitment to technological excellence and leadership.
- Holds an exceptional academic and professional record, including **10 academic degrees** (4 doctoral degrees and 5 master's degrees), **50+ international certifications**, and **over 200 specialized MOOCs and nanodegrees** from leading global institutions.
- Passionate about pushing the boundaries of AI, Data, and Blockchain innovation through continuous learning, strategic thinking, and impactful solution delivery.



Employment Record

Date	Employer	Position Held
Aug 2025 – Present	Lumi Minds (Client: BHP)	Solutions Architect – Data and AI
Sep 2024 – Aug 2025	Wipro (Clients: Chevron)	Senior Architect – Data and AI
April 2023 – Aug 2024	Dynxsoft (Clients: Education VIC, Energy Australia)	Solutions Architect – Data and AI
April 2022 – March 2023	Cognitivo Consulting (Client: Rabo Bank)	Solutions Architect – Data and AI
March 2021- April 2022	Accenture (Client: Coles)	Tech Architect Delivery Manager – Data and AI
June 2018 – March 2021	Avanade (Client: Telstra, Queensland Energy)	Solutions Architect - Data Engineering, Analytics
Feb 2017 – March 2018	Hewlett Packard Enterprise (Client: Telecom Malaysia)	Manager - Solutions Architect, Analytics

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April 2014 – Feb 2017	TIMWE Tech (Client: Celcom)	Enterprise Solutions Architect
March 2013 – Jan 2014	Vodafone	Solutions Architect
May 2011 – Feb 2013	ASIT Solutions	Solutions Architect
June 2008 – April 2011	Lin Scan Advance Pipeline	Development Head - ERP
Nov 2006 – May 2008	Logiciel Cube	Senior Software Engineer
Feb 2006 – Nov 2006	InfiniLogic	Software Engineer



Education







Degree	Year	University
DBA (Doctor of Business Administration) – Machine Learning & Artificial Intelligence	2023	UCAM Universidad Católica San Antonio de Murcia - Spain
Ph.D. in Computer Science – Specialization in Artificial Intelligence	2018	European Global School – France
DBA (Doctor of Business Administration) – Information Systems	2023	Vern University - Croatia
DBA (Doctor of Business Administration) – Data Science	2023	Brittany University - France
MSC – Data Science and Artificial Intelligence	2022	University of London – United Kingdom
MSC – Digital Currencies, Blockchain	2020	University of Nicosia – Cyprus
MBA – Information Systems	2021	University of Wales Trinity Saint David – United Kingdom
MBA – Organizational Leadership	2022	University of the West of Scotland – United Kingdom
Bachelor of Science in Computer Engineering	2005	Sir Syed University of Engineering & Technology - Pakistan



International Certifications

Certifying Body	Certification
Databricks	Databricks Champion (8 th in the world)
	Databricks Certified Generative AI Engineer Associate
	Databricks Certified Developer - Apache Spark 2.x for Scala
AWS	AWS Certified Machine Learning – Speciality
	AWS Certified Big Data – Speciality
Google	Google Certified Associate Cloud Engineer
Microsoft	Microsoft Certified Azure DevOps Engineer Expert
	Microsoft Certified Azure Solution Architect Expert
	Microsoft Certified Azure Security Engineer Associate
	Microsoft Certified Azure Developer Associate
	Microsoft Certified Azure AI Engineer Associate

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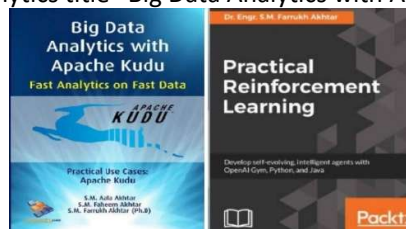
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	Microsoft Certified Azure Data Scientist Associate
	Microsoft Certified Azure IoT Developer - Speciality
	Microsoft Certified Azure Cosmos DB Developer Specialty
	Microsoft Certified Azure Data Engineer Associate
	Microsoft Certified Azure Database Administrator Associate
	Microsoft Professional Program – Big Data
	Microsoft Certified Solutions Expert – Data Management & Analytics
	MCSA – Microsoft Azure - Cloud Platform
Cloud Native	Kubernetes Certified Application Developer (CKAD)
Blockchain Alliance	Certified Blockchain Security Professional
	Certified Blockchain Ethereum Developer
	Certified Blockchain Business Foundation
	Certified Blockchain Hyperledger Developer
	Certified Blockchain Solution Architect (CBSA)
IBM	IBM Certified Big Data Architect
	IBM Certified Solution Developer – XML and Related Technologies
Sun Microsystems	Sun Certified Java Programmer (SCJP)
Oracle	Oracle Certified Professional – 9i (OCA)
	Oracle Certified Associate – 9i (OCA)
Microsoft	Microsoft Certified Solution Developer (MCS.D.NET)
	Microsoft Certified Application Developer (MCAD.NET)
	Microsoft Certified Professional (MCP)
Udacity	Deep Learning Nano Degree
	Machine Learning Engineer Nano Degree
	Computer Vision Nano Degree
	Deep Reinforcement Learning Nano Degree




Publications

- Author of a best seller book on Artificial Intelligence and Machine Learning title "Practical Reinforcement Learning" - 467 pages: ISBN - 9781787128729.
<https://tinyurl.com/ycjenzkm>
- Author of book on Big Data and Machine Learning title "Big Data Processing Using R and Spark" – 360 pages.
- Author of book on Big Data Analytics title "Big Data Analytics with Apache Kudu" – 200 pages



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Professional Experience (Selected Projects)






Date, Location(s)	Project Role	Project Description
2025 – Australia	AI Architect	BHP - Agentic AI-Driven Enterprise H2R Automation Platform Designed and delivered an Agentic AI automation framework in ServiceNow to streamline end-to-end HR request processing. Used BYOM LLMs for conversational Q&A and document intelligence, enabling the Virtual Assistant to autonomously handle validations, approvals, and user interactions. Integrated with SAP and SuccessFactors for real-time eligibility checks, data extraction, and writebacks. The solution eliminated 17 manual steps, reduced HR workload by 40 FTEs, and is extendable across other H2R and D2P functions—such as rewards, leave management, enquiry handling, purchase requisitions, supplier onboarding, and invoice validation. Main Technologies Databricks, ServiceNow, OpenAI (BYOM), Agentic AI, Azure Foundry, SAP ECC, SuccessFactors, Virtual Assistant
2025 – Australia	Data Architect	Chevron Advanced Analytics Platform - Global Data Model Products Data model products were developed for Chevron’s Data Analytics Platform to support Mobile Inspections, Engineering Documents, and Equipment management. These models were designed using Erwin as standardized and scalable global products for Chevron Global Data Models. Databricks on Azure was utilized for efficient data processing and analytics. DevOps practices and Azure Data Factory were implemented for seamless CI/CD and automated data pipeline orchestration. These efforts enhanced data management and improved decision-making across key business areas. Main Technologies Azure, Databricks, Erwin, Informatica, ADF, DevOps
2024 - Australia	Solutions Architect - Data and AI	Education Victoria - Generative AI-Driven Data Retrieval Developed an AI-powered information retrieval system for Education Victoria using Generative AI, OpenAI, and the LangChain framework. The system integrates with Azure, utilizing Function Apps for seamless data processing and Retrieval-Augmented Generation (RAG) to enhance response accuracy. It gathers information from multiple sources, allowing

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		<p>users to retrieve relevant insights through natural language prompts. LangChain optimizes AI interactions with structured and unstructured data, improving retrieval efficiency. This solution empowers educators and administrators with quick, precise insights, enhancing decision-making and operational effectiveness.</p> <p>Main Technologies</p> <p>Azure, GCP, Open AI, LangChain, RAG, Microsoft Fabric</p>
2024, Germany	AI Architect	<p>Sophie.ai – Generative AI-Powered Knowledge Retrieval for Rabobank</p> <p>Sophie.ai is a Generative AI solution for Rabobank, built on Azure, OpenAI, and LangChain to enable intelligent data retrieval. It integrates with data warehousing solutions and Confluence pages, using Function Apps for real-time queries and Retrieval-Augmented Generation (RAG) to enhance response accuracy. The system processes natural language queries, retrieves relevant data dynamically, and delivers precise insights, streamlining knowledge access across the organization.</p> <p>Main Technologies</p> <p>Azure, Open AI, LangChain, RAG</p>
2024, Australia	Data Architect	<p>Suncorp Bank and Insurance – Data Lake Segregation Rules</p> <p>Developed and implemented segregation rules for Suncorp's Data Lake to ensure secure and efficient handling of banking and insurance data. Designed logical and physical segregation strategies, including tiered zones (Raw, Curated, and Consumption) for structured and unstructured datasets. Established role-based access controls (RBAC), data encryption, and governance frameworks to comply with regulatory standards such as APRA. Enhanced data lineage and cataloging for improved traceability and operational efficiency.</p> <p>Main Technologies</p> <p>Azure, Databricks, Microsoft Fabric</p>
2021, Australia	Solutions Architect	<p>Energy Australia – 5 sec Settlement</p> <p>Implement the 5 seconds settlement as per the government regulation. Databricks lake house architecture is used on top of AWS cloud for the big data processing.</p>

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		Main Technologies AWS, Databricks
2020, Australia	Data Architect	Coles - Product to Order Stream MRL is a Coles data cache, it leveraged across multiple use cases for services and core merchandise data for Coles group. MRL provide a degree of abstraction and decouple source system from consumers of merchandise data. Main Technologies Microsoft Azure, Databricks, Cosmos DB
2019, Australia	Data Architect	Queensland Energy – Metering Solution Over 1 million smart energy meters generate data and send it every 5 mins interval to Azure IoT hub. Azure Data Factory is used for data orchestration. Data processed through Azure IOT hub to Azure Data lake. Databricks is used for data transformation and later it is moved to SQL data warehouse and Cosmos DB. MLOps also configured which allow machine learning models to automatically train and publish endpoints through Azure ML. Main Technologies Microsoft Azure, SQL DW, Databricks, Cosmos, TensorFlow
2020, Australia	ML Engineer	Voice Enabled – CRM – Project Jarvis Salesperson will use mobile app to create the lead through voice commands. Azure Cognitive – Speech to text (STT) used together with Language understanding (LUIS) to recognize intents. The lead record finally pushes to CRM to create lead. Main Technologies Azure Cognitive, Azure LUIS, Azure Speech SDK. Demo Video https://youtube.com/WTW3N_MCFA
2019, Australia	ML Engineer	Touchless User Interfaces for Melbourne Airport Due to Covid-19 people are scared to use public touch screens/buttons. Developed hand gesture and voice automated touchless screens. Used Intel Real Sense Depth cameras and deep learning to detect hand gestures.

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		<p>Microsoft Speech SDK and LUIS models to recognize speech commands. Azure DevOps used for the CICD development and release pipelines.</p> <p>Main Technologies</p> <p>Deep Learning, Computer Vision, Real Sense Depth Cameras, Azure DevOps.</p> <p>Demo Video</p> <p>https://www.youtube.com/watch?v=9EY3Ti6dU1I&t=19s</p>
2018, Australia	MLOps Engineer	<p>MLOps Auto Provision Resources</p> <p>The aim of this project is to make it easy for Data Scientists to be able to easily provision all the resources needed to replicate, explore, and potentially build from our project on an inner source version. This project uses state-of-the-art Microsoft machine learning technology, and development teams that start with azure machine learning services will benefit from it. All the base line azure machine learning and related services and best practices of MLOps are set automatically by the project.</p> <p>Main Technologies</p> <p>Azure DevOps, Azure Machine Learning</p> <p>Demo Video</p> <p>https://www.youtube.com/watch?v=lw3cly3O8bY</p>
2018, Australia	Data Architect	<p>Telstra – BI2020</p> <p>Design and develop Telstra BI2020 project. The plan to move the Teradata data warehouse to Azure SQL data warehouse. The data warehouse connected with 200+ source data and over 350 tera byte of data. Transformation of data processed on Cloudera for big data environment. Implementing various use cases using Spark, HBase, Hive, machine learnings etc.</p> <p>Main Technology Used:</p> <p>Azure, Cloudera, SQL Data warehouse, Snowflakes</p>