



Job Roles in AI Era

Current Role	New Role in AI Era	Skills to be Upgraded
Software Developer	AI/ML Engineer	Python, machine learning algorithms, deep learning frameworks (TensorFlow/PyTorch), data handling
Data Analyst	Data Scientist / AI Analyst	Statistics, predictive modeling, Python/R, data visualization, SQL
System Administrator	MLOps Engineer	Cloud platforms (AWS/Azure/GCP), CI/CD, Docker/Kubernetes, model deployment & monitoring
Business Analyst	AI Business Analyst	Data interpretation, AI use-case identification, basic ML concepts, tools like Power BI/Tableau
Project Manager	AI Product Manager / AI Project Manager	AI lifecycle understanding, product strategy, agile, stakeholder management, data-driven decision making
QA/Test Engineer	AI Model Validator / AI QA Specialist	Model testing, bias detection, validation techniques, test automation, understanding of ML models
UI/UX Designer	Conversational AI Designer	Chatbot design, NLP basics, user journey mapping, voice/UI interaction design
Database Administrator	Data Engineer	Big data tools (Spark, Hadoop), ETL pipelines, data warehousing, cloud data platforms
Operations Manager	Intelligent Automation Manager	RPA tools, process optimization, AI workflow integration, analytics
Marketing Manager	AI-driven Marketing Specialist	Marketing analytics, AI tools (automation, personalization), customer data platforms, prompt engineering