

# CHIRAG TOLANI

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## PROFESSIONAL SUMMARY

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Data & AI Consultant with 5+ years of experience delivering machine learning, cloud transformation, and software solutions across sectors. Proven ability to architect scalable AI systems, reduce cloud TCO by \$1.3B+, and build NLP and computer vision models. Backed by Big 4 consulting experience and currently pursuing an MSc in AI. Actively seeking data science and machine learning roles within the UK market

## AREAS OF EXPERTISE

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**Technical Skills:** Machine Learning, NLP, Computer Vision, Deep Learning, Cloud Strategy & Architecture, AI Strategy, Software Engineering, Data Analysis

**Functional Competencies:** Teamwork, Leadership, Project Management

**Programming Languages & Frameworks:** Python, C++, JavaScript, SQL, PyTorch

**Cloud Frameworks:** AWS, Microsoft Azure, OCI, Google Cloud

## EDUCATION

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**The University of Manchester – Manchester, UK**

**Sept 2024 – Present**

MSc in Advanced Computer Science (Artificial Intelligence); Expecting Distinction

**BITS Pilani Dubai Campus – Dubai, UAE**

**Sept 2014 – Sept 2018**

B.E. (Hons.) in Computer Science; First Class Honours Equivalent

## RELEVANT EXPERIENCE

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**Deloitte & Touche (M.E.) – Abu Dhabi, UAE**

**Aug 2019 – Sept 2024**

*Senior Consultant, Cloud & Engineering*

- Implemented a GenAI POC for an insurance client using Google Cloud (Vision API, Document AI, Vertex AI), automating accident claim processing in under 60 seconds and eliminating 90% of manual effort
- Advised over 15 cross-sector clients on cloud transformation, including architecture design, service operations, cost management, and target operating models
- Led TCO and benchmarking analysis of a national cloud provider's platform, identifying \$1.3B+ in savings delivered to onboarded government entities compared to global cloud vendors
- Produced over 50 high-quality proposals and eminence content, strengthening Deloitte's market positioning and client engagement success
- Designed infrastructure architectures and market analysis reports following best practices for banks and government organizations in the region, enhancing scalability, security, and compliance

## PROJECTS & LEADERSHIP

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### *Projects*

- **ReNewTrade:** Built a decentralised energy trading platform using AI agents (Gemini) and blockchain for peer-to-business exchange, with incentives via carbon credits and payments
- **Relation Extraction (NLP):** Designed a system using BERT embeddings to compare XGBOOST and GCN models on the re-DOCRED dataset for extracting text-based relations
- **Object Recognition:** Evaluated object recognition on CIFAR-10 using traditional (HOG/SIFT + SVM) and deep learning (CNN) approaches, highlighting deep learning's role in robotic vision systems

### *Leadership*

- Led a team of 5-6 to author a monthly internal newsletter showcasing project successes, events, and industry trends across the portfolio within Deloitte Consulting
- Supervised as a Learning Coordinator for AWS cloud initiatives and managed data collection, invoicing, and practitioner certifications, resulting in budget savings of over \$25K USD

## ADDITIONAL INFORMATION

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**Certifications:** Microsoft Azure AI Fundamentals | Fundamentals of Deep Learning (NVIDIA) | AWS Generative AI Essentials

**Hobbies & Interests:** Reading, Gaming, Badminton

**Languages:** English (Fluent), Hindi (Native) & Sindhi (Native)