CHIRAG TOLANI

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PROFESSIONAL SUMMARY

Consultant with over **5 years of industry experience** and a **MSc in Advanced Computer Science (Artificial Intelligence)** from **The University of Manchester**. Skilled in building scalable, intelligent systems by combining AI, cloud-native architecture, and software engineering. Few achievements include:

- Leading the development of POC for **Citizenly**, a citizen journalism platform with **AI-based moderation pipeline**
- Built a **GenAI-powered POC** automating insurance claims processing in **under 60 seconds**
- Advised clients across banking, public sector, and enterprise on **cloud and AI transformation**
- Identified **$1.3B+ in potential savings** through a **TCO and benchmarking study** for a Saudi government cloud platform
- Designed and deployed **secure, high-performance cloud solutions** across **AWS**, **GCP**, and **OCI**; led AWS upskilling initiatives for Deloitte Consulting & Risk Advisory

Seeking for roles within data science and machine learning in the UAE market.

AREAS OF EXPERTISE

Technical Skills: Machine Learning, Generative AI, NLP, Computer Vision, Deep Learning, AI Strategy, Software Engineering, Data Analysis, LLM, RAG, AI Agents, Cloud Strategy
Cloud Platforms: Google Cloud, AWS, Microsoft Azure, OCI
Languages & Frameworks: Python, PyTorch, SQL, C++, Git, Docker, Terraform, TensorFlow, OpenAI
Certifications: Microsoft Azure AI Fundamentals | Fundamentals of Deep Learning (NVIDIA) | AWS Generative AI Essentials| Dataiku Core Designer Certificate | Dataiku ML Practitioner Certificate

RELEVANT EXPERIENCE

Digital Projects – Manchester, UK
Innovation Lead (Freelance)   **Sep 2025 – Present**
- Leading the end-to-end Proof of Concept for Citizenly, an AI-powered citizen journalism platform, by architecting the tech stack and deploying a functional MVP on Vercel cloud.
- Designing and integrating an AI moderation pipeline (plagiarism detection, tone refinement, editorial checks) using OpenAI Moderation API, ensuring credibility and inclusivity in user-generated content.
- Delivering a lean, cost-efficient build process using open-source tools and agile iteration, resulting in a deployed prototype that showcases registration, article submission, and automated publishing workflows.

Deloitte & Touche (M.E.) – Abu Dhabi, UAE
Senior Consultant (Engineering, Data and AI)   **Jun 2023 – Sep 2024**
- Advised 15+ clients across banking, public sector, and enterprise on cloud strategy and operations, accelerating digital transformation through tailored architectures and governance models
- Built and deployed a GenAI solution using Google Cloud (Vertex AI, Document AI), reducing insurance claim processing time from 3 hours to under 60 seconds and cutting manual workload by 90%
- Led TCO and benchmarking analysis for a KSA government cloud provider, identifying $1.3B+ in potential savings across onboarded public entities

Consultant (Engineering, Data and AI)   **Jun 2021 – May 2023**
- Directed competitive cloud landscape research covering 200+ global banks to help a leading KSA bank shape its cloud strategy and regulatory roadmap
- Created an infrastructure and service delivery playbook for a government organisation, standardising operational processes and enhancing SLA performance
- Developed proposals, eminence and thought leadership for 50+ clients and delivered trainings to the internal team on latest cloud trends
- Led quality assurance of the deliverables as well as managed and coordinated the project management activities involved in cloud projects

Business Analyst (Engineering, Data and AI)   **Aug 2019 – May 2021**
- Drafted infrastructure blueprints and technical documents for major banks and ministries, enabling informed decisions on cloud migration
- Contributed to practice development by creating POVs, cloud policy guidance, and eminence articles to strengthen Deloitte's brand in the Middle East cloud advisory space

EDUCATION

The University of Manchester – Manchester, UK   **Sept 2024 – Sept 2025**
MSc in Advanced Computer Science (Artificial Intelligence); Graduated with Merit
- **Dissertation Project**: Designed a predictive ROI filtering strategy using Spiking Neural Networks (SNNs) to reduce event-based image data for efficient edge processing

BITS Pilani Dubai Campus – Dubai, UAE   **Sept 2014 – Sept 2018**
B.E. (Hons.) in Computer Science; First Division Honours (CGPA: 8.1/10)
- Worked as a committee member of the SEC Club for volunteering & environmental initiatives

PROJECTS & LEADERSHIP

Projects
- Delivered an AI roadmap for automating CSR, DEI, and sustainability data workflows, identifying LLM-based scraping alternatives and use cases. Proposed a phased plan to scale global employer coverage 5x
- Built a blockchain-based energy trading prototype using Gemini AI agents, enabling peer-to-business exchange with dynamic pricing and carbon credit incentives. Secured finalist recognition at a sustainability-focused AI hackathon
- Designed a relation extraction pipeline using BERT embeddings and benchmarked XGBOOST vs. GCN models on the re-DOCRED dataset, achieving competitive F1 scores and highlighting model trade-offs for long-form text classification
- Compared traditional vision model (HOG/SIFT + SVM) with CNNs on CIFAR-10, demonstrating 25% improvement in accuracy using deep learning. Highlighted CNN advantages for low-latency vision systems in robotics and edge devices

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

PERSONAL DETAILS

Visa Status: Visit Visa (Require Sponsorship)
Date of Birth: 5th April 1997
Languages: English (Fluent), Hindi (Native)