# *Muhammed Shakir Ahmed*
## *BSc Computer Science, MA TESOL*

*Mobile: 07843797879 (UK),* Mobile: 0559333289 (KSA)
Email: shaksahmed@hotmail.com
Portfolio: https://portfolio-shakir.vercel.app/

**Nationality:**        British
**Place of residence:**    London, UK

## *Professional Summary*

Full-stack developer and automation engineer with strong experience in JavaScript, TypeScript, Node.js, React, and Next.js, specializing in AI-powered applications, n8n workflow automation, and data-driven systems.
Over eight years of experience managing and optimizing enterprise-level digital systems, including LMS platforms and large-scale spreadsheets. Skilled in data analysis, backend development, and workflow design, with a focus on delivering scalable, efficient, and AI-integrated solutions.

## *Core Skills*

**Frontend Development:** React, Next.js, Vite, TypeScript, Tailwind CSS, Zustand, Redux
**Backend Development:** Node.js, Express, Flask, Prisma, Mongoose
**Databases:** MongoDB, PostgreSQL, Redis
**AI & Automation:** n8n, Ollama, GPT-4, Embeddings, Vector Search, VADER Sentiment
**Cloud & Deployment:** Vercel, Render, Netlify
**Authentication & Payments:** JWT, Google OAuth, Crypto Wallets, Stripe
**Data Analysis & Tools:** Advanced Excel, Google Sheets, API Integration, Workflow Automation
**Dev Tools:** Git, GitHub, Postman, VS Code, JSON APIs, RESTful Design

## *Professional Experience*

**Freelance Full-Stack Developer / AI Engineer**                *Jan 2023 – Present*

- Built multiple full-stack web and AI projects including a Chrome crypto analysis tool, an AI matchmaking platform, and an e-commerce store.
- Developed backend systems with Node.js/Express, Python/Flask, MongoDB/PostgreSQL, and deployed with Vercel/Render/Netlify.
- Integrated AI workflows, embeddings, and vector search via n8n and Ollama.

**Taibah University – Madinah, Saudi Arabia**
**E-Learning Systems Coordinator**                *Dec 2017 – Aug 2025*

- Administered and optimized Learning Management Systems (LMS) such as Blackboard, Oxford-OUP, and Cambridge One, serving thousands of students and staff.

- Designed structured exam scheduling templates that minimized manual errors and improved cross-department coordination.
- Conducted quality assurance testing on e-learning platforms and digital examination systems.
- Led faculty training sessions on digital systems and data handling best practices.

**Key Technologies:** Excel (advanced formulas, macros, VBA), Google Sheets, Blackboard, Data QA, LMS Administration

---

**Prince Mugrin University / AlBayan Colleges – Madinah, Saudi Arabia**
**IT & Data Systems Coordinator**                                 *Aug 2014 – Aug 2017*

- Designed and maintained digital record systems for academic data management using advanced spreadsheets.
- Automated repetitive processes in attendance tracking and reporting through formulas, scripts, and data validation**.**
- Integrated multimedia and CALL tools to enhance institutional digital delivery.

**Key Technologies:** Google Sheets, Excel, Data Validation, VBA, LMS Tools

---

**Technical & Operations Consultant (Freelance)**
*Amazon Private Label Brand*                                 *2017 – 2021 (Part-Time)*

- Managed Amazon PPC campaigns with data-driven A/B testing and ROI analysis.
- Conducted product research using data analytics tools to identify high-margin market opportunities.
- Performed stock analysis and demand forecasting using Google Spreadsheets/Excel.
- Designed products, packaging and brand visuals.

*Education*

University of Westminster — MA Teaching English to Speakers of Other Languages (TESOL), Merit, 2012
City University London — BSc (Hons) Computer Science, First Class, 2011
Uxbridge College — BTEC National Diploma in Software Development, DDM, 2007

*Additional Information*

- Strong understanding of data systems, workflow automation, and API design.
- Experienced in AI integration**,** prompt engineering, and vector search pipelines.
- Strong understanding of trading technical analysis, including chart patterns, indicators, and data-driven decision making.

*Referees*

*References available upon request.*