Aaqid Masoodi

Full-Stack Developer | AI & Machine Learning

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SUMMARY

Full-stack developer with an MSc in Computing (Artificial Intelligence) from Dublin City University. I build and ship production web applications with Python, Django, React, Next.js and TypeScript, and I integrate machine learning and LLM features into real products. My background covers freelance work for businesses in Ireland and India, a machine learning internship on biometric ear recognition, and more than 100 one-to-one programming mentoring sessions. I am comfortable across software, documentation, data analysis and client coordination, and enjoy learning and multitasking across teams.

EXPERIENCE

Freelance Full-Stack Developer 2021 - Present
Self-employed *Remote*

- Build and maintain websites and web apps for small businesses in Ireland and India, including housepaintsdublin.ie (Next.js), kindee.ie (React, Vite) and alkhairrestaurant.ie (WordPress).
- Built PokerUrMemory (pokerurmemory.com) for a client: a multiplayer card game for web, iOS and Android using Next.js, TypeScript, a WebSocket game server, Stripe payments and leaderboards, released through a closed beta on Google Play.
- Run projects end to end: requirements, quotation and proposals, design, development, deployment, documentation and ongoing support, working directly with clients.
- Set up on-page SEO (page titles, meta descriptions, sitemaps) and performance basics for client websites, supporting their online presence and promotion.
- Integrate third-party services into client products, including Stripe payments, n8n automations and LLM APIs.

Software Engineering Intern (Machine Learning) May 2023 - Dec 2023
Hooks (FoodKraft) *Noida, India*

- Worked on EMAP, an ear-recognition biometric model, covering data preparation, training, evaluation and serving the model through an API.
- Built backend services with Django and Django REST Framework, and front-end features in React.
- Reduced EMAP API latency by 30%, supporting more than 10,000 users.
- Containerised services with Docker and helped automate deployments with CI/CD, cutting deployment time by about 30%.

Programming Tutor and Mentor 2020 - 2023
CodeMentor, Superprof, TutorMe *Remote*

- Delivered more than 100 one-to-one sessions in Python, Django, data structures and algorithms, debugging and software design.
- Helped learners progress from beginner to full-stack level through project architecture guidance, code reviews and interview preparation.
- Named a Superprof Ambassador for teaching quality and student outcomes.

PROJECTS

CodeScapes (codescapes.io): Browser-based coding platform with an AI coding assistant, in-browser Python through Pyodide, a custom block language (FlowScape) that compiles to JavaScript, and creative coding with p5.js and Three.js. Tech: React, Django, Pyodide, JavaScript.

ChessChat (chesschat.live): Live multiplayer chess platform built around face-to-face WebRTC video chat, with a player pairing engine and community features. Tech: WebRTC, WebSockets, Real-time multiplayer.

BridgeChat: Real-time multilingual chat app that translates messages with LLaMA 3, using Django Channels and WebSockets for low-latency delivery. Tech: Django, Django Channels, LLaMA 3, React.

MenuX: Configurable restaurant ordering system supporting complex item options, with TTL-based data cleanup to keep storage and queries lean. Tech: Django, DRF, React, PostgreSQL, Redis.

EDUCATION

MSc in Computing (Artificial Intelligence) Sep 2024 - Oct 2025
Dublin City University *Dublin, Ireland*

- Modules in machine learning, algorithms, AI systems and software engineering.
- Research project: on-device LLMs for privacy-preserving search query rewriting.

BSc in Computer Science (2:1 Honours) 2014 - 2018
Central University of Kashmir *Kashmir, India*

- Programming, databases, operating systems, computer networks, algorithms and theory of computation.

SKILLS

Languages: Python, TypeScript, JavaScript, SQL, PHP, C/C++

Frontend: React, Next.js, React Native, Tailwind CSS, HTML/CSS

Backend: Django, Django REST Framework, FastAPI, Node.js, REST APIs, WebSockets

AI & Data: LLM APIs (OpenAI, Claude), scikit-learn, Pandas, NumPy, Computer vision, Data analysis & reporting

Databases & DevOps: PostgreSQL, Supabase, SQLite / Turso, Redis, Docker, Git, Linux, CI/CD, AWS

Platforms: Stripe, WordPress / WooCommerce, n8n

Workplace: Technical documentation, Reports & presentations, Google Workspace / MS Office, SEO basics

RECOGNITION

- **Best Innovation Project**, DCU Hackathon (FIRST LEGO League)
- **Superprof Ambassador**, for mentoring quality
- **Technical writing**, published articles with 18,000+ views
- **Open source**, contributor and sponsor, OpenCV Rust (twistedfall)

LANGUAGES

English (fluent), Arabic (fluent)