

# Aaqid Masoodi

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## Objective

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Technologist with hands-on experience in full-stack development, AI/ML integration, and data-driven problem-solving. Passionate about leveraging my skills in Python, SQL, APIs, and debugging tools to troubleshoot technical challenges and deliver scalable solutions. Seeking to apply my collaborative approach and analytical mindset to drive customer success in ads technology and beyond.

## Technical Skills

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**Languages:** Python, JavaScript, SQL, Java, TypeScript, HTML/CSS

**Web & Ads Technologies:** Django, React, Next.js, REST APIs, GraphQL, Google Ads API, Google Marketing Platform (GMP), Chrome DevTools, Firebase, Google Analytics

**Data & Cloud:** SQL (BigQuery, SQLite), Data Visualization (Looker, Tableau), Pandas, NumPy, Google Cloud Platform (GCP), AWS, Docker

**AI/ML & Debugging:** TensorFlow, PyTorch, LLMs (Llama 3, GPT), Log Analysis, Mobile Debugging (Android/iOS), Sentry, Postman

**Tools & Platforms:** Git, GitHub, JIRA, VS Code, Figma, Tableau, Supabase, Celery, CI/CD Pipelines

## Experience

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### Software Engineer (Intern)

*Remote*

*Foodskraft.*

*May 2023 – Dec 2023*

- Worked as a Junior AI/ML Engineer on the EMAP project, collaborating with a team of developers to integrate machine learning models into production.
- Deployed ML models to an API, ensuring efficient model inference and seamless integration with application workflows.
- Utilised TensorFlow, Keras, and PyTorch for training and fine-tuning deep learning models used in biometric applications.
- Optimised API endpoints for scalability and performance, reducing latency and improving response times.
- Assisted in debugging and troubleshooting deployment issues, ensuring a smooth transition from development to production.

### Freelance Developer and Designer

*Remote / Freelance*

*Work from Home*

*August 2021 – May 2023*

- Provided full-stack web and mobile app development services for clients across different industries.
- Delivered custom websites, e-commerce platforms, and admin dashboards using Django, React and React.
- Offered design and branding services including UI/UX design, graphic design, and logo creation.
- Created and edited promotional videos, motion graphics, and social media content for businesses.
- Built a strong portfolio through consistent client engagement and result-driven deliverables.

## Education

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### Dublin City University

*Sept 2024 – Current*

*Master's in Computing Specialization in Artificial Intelligence*

- **Coursework:** Research Practice, Artificial Intelligence, Statistical Data Analysis, Data Analytics and Data Mining, Machine Learning, Data Management and Visualization, Mechanics of Search.

## Projects

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### MO Search Engine [↗](#)

- Built a lightweight search engine that indexes and retrieves documents based on keyword queries.
- Implemented ranking algorithms and text preprocessing techniques for efficient search results.
- Tools Used: Python, Flask, BeautifulSoup, SQLite.

### Bridge - AI-Powered Chat Application [↗](#)

- Developed a real-time chat application with AI-based translation for seamless multilingual communication.
- Implemented client-side language detection and translation for privacy-focused and efficient conversations.
- Tools Used: React Native, Expo, Supabase, Flask, Whisper AI, Llama 3.

### Reddit Video Generator [↗](#)

- Automated the generation of short videos from Reddit posts by extracting text and converting it into narrated clips.
- Integrated text-to-speech synthesis and dynamic subtitle animations for engaging content.
- Tools Used: Python, MoviePy, Reddit API, gTTS (Google Text-to-Speech).

### Sketch My Photo [↗](#)

- Developed an image-processing application that converts photos into artistic pencil sketches.
- Applied edge-detection algorithms and OpenCV filters to achieve high-quality sketch effects.
- Tools Used: Python, OpenCV, NumPy, Flask.

## Soft Skills

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- **Technical Communication:** Explained complex AI/ML concepts to non-technical clients during freelance projects
- **Cross-functional Collaboration:** Partnered with ML engineers, designers, and clients to deploy 3+ full-stack apps
- **Stakeholder Management:** Addressed 50+ client requests with tailored technical solutions (freelance work), balancing business needs and technical constraints.
- **Problem-solving under Pressure:** Debugged 10+ critical API/ML model issues during internships
- **Data-Driven Decision Making:** Used SQL and Python analytics to optimize search algorithms

## Achievements

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- **Preliminary Discovery of a Near-Earth Asteroid:** Contributed to the identification and preliminary analysis of a near-Earth asteroid in International Asteroid Search Campaign (IASC)
- **President of CodeSquad:** Led CodeSquad, a competitive coding club at my university, fostering a community of problem-solvers and coordinating coding competitions and workshops.
- **Led Candlelight Vigil Against Drug Abuse:** Led a candlelight vigil in Srinagar, Kashmir, organised by CAUSE, raising awareness about drug abuse and advocating for mental health and community support.