

Shabeeb Hasan

Computer Vision and OCR Engineer

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Website | GitHub | LinkedIn

Applied computer vision engineer with client document-extraction backends, an emotion-analysis application and probabilistic ML research. Builds Python services around models and evaluates limitations explicitly, including in sensor-based proof-of-concept work.

TECHNICAL SKILLS

Python | OpenCV | TensorFlow | scikit-learn | FastAPI | Google Vision | Document AI | Celery | Docker | Model evaluation

SELECTED PROJECTS

Document extraction backends | Client work

Built Google Vision and Document AI form-processing backends for a scanning app, plus passport, licence and card OCR for mobile workflows. [Project evidence](#)

Emotion app and LoRA training pipelines | Employment project

Worked on an Expo app with OpenCV/TensorFlow/scikit-learn and a FastAPI model service; queued LoRA training using Celery and Docker at Dis-Connect. [Project evidence](#)

Behavioural identity runtime | Client proof of concept

Built server-side scoring of phone motion, touch and typing signals using FastAPI and scikit-learn. Follow-on measurement work reports limitations; this is not a validated production biometric product. [Project evidence](#)

FaceSearch image and virtual try-on platform | Baydot build

Built a Django/Celery and React platform with generation services, LoRA training, face search and virtual try-on workflows. [Project evidence](#)

EXPERIENCE

Independent Software Engineer and Consultant | Nov 2015 - present

Client delivery across AI applications, web and mobile products. 133 completed contracts; 71% from repeat clients. Requirements, engineering, testing and handover.

Artificial Intelligence Researcher, Regex. | Apr 2026 - present

Applied AI research, model evaluation and validation.

Founder and Software Engineer, Baydot | Jan 2016 - present

Software services and own product development; AI consulting since 2020.

Software Developer, Dis-Connect, Germany | Nov 2024 - Jul 2026

PHP/Yii2 and SAP integration; Expo emotion-analysis application and FastAPI/Celery LoRA training pipelines.

Software Developer, Synapse Consulting | Jan 2014 - Mar 2016

Web, mobile and desktop application delivery for agency clients.

EDUCATION

PhD Computer Science, University of Karachi - in progress.

MPhil Computer Science, University of Karachi, 2019-2021; probabilistic ML research.

MS Computer Science, IBA Karachi, 2017-2018. BS Software Engineering, University of Karachi, 2012-2015.