# JOHANA BENABOU ZIRAH

AI VIDEO CREATOR | SOFTWARE & AI ENGINEER

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## PROFESSIONAL SUMMARY

AI Video Creator and Software Engineer (4+ years), with hands-on experience in computer vision and deep learning. Trained in AI video production: ads, product and explainer videos with generative AI, from script and storyboard to final edit. Certified in AI for Video Creation (Shenkar). I make complex technology clear and engaging, in Hebrew, English and French.

## PROFESSIONAL EXPERIENCE

**Full Stack Engineer** | Gigsberg 2023 - Present

- Developed end-to-end features with PHP, REST APIs, SQL and React, and integrated Python into new features.
- Implemented backend logic and API integrations; optimized APIs and queries for performance and stability.
- Worked in Agile (Jira) with product and QA teams, from development to production.

**Mobile Developer Intern** | App&GO 2021 - 2022

- Developed Flutter mobile features for Android, covering UI, navigation and state management.
- Integrated REST APIs and handled data flow, async operations and error handling.
- Integrated TensorFlow / TFLite models for on-device ML inference, with backend and design teams.

**Software Developer Intern** | TheMarketPlacer 2021

- Developed a machine learning model (CNN) in Python for price prediction using market data.
- Performed data preprocessing, feature engineering, model training and evaluation.

## SKILLS

- AI Video & Image: Higgsfield (Elements, upscale), Google Flow (Veo), Kling AI, Weavy, Grok Imagine, ChatGPT
- Editing & Audio: CapCut, ElevenLabs (voice-over), Suno (AI music), ffmpeg, subtitles, sound design
- AI Workflow & Automation: Claude Code, Claude Skills, MCP connectors, workflow automation, prompts, storyboarding
- AI & Programming: Python, PyTorch, TensorFlow, Computer Vision, LLMs & RAG, React, PHP, SQL
- Tools & Workflow: Git, GitHub, Docker, Linux, AWS (S3, SQS), Jira, Agile
- Languages: Hebrew (fluent), English (fluent), French (native)

## EDUCATION AND CERTIFICATION

- **AI for Video Creation** – Shenkar (Certificate, 21 h) 2026
  AI video production for ads and branded content: Higgsfield, Google Flow (Veo), Weavy, CapCut.
- **AI Video Production with Claude** – Viral Media, advanced 1:1 session 2026
  Automated video pipeline with Claude (Skills, MCP), consistent Higgsfield characters, Grok animation.
- **AI Engineer Program** – Hebrew University of Jerusalem 2026 - Present
  Machine learning, deep learning, LLMs and generative AI, with hands-on projects.
- **Full-Stack Certifications** – SheCodes 2022 - 2023
- **B.Sc. Computer Science** – Netanya Academic College 2018 - 2022

## PERSONAL PROJECTS

- **SmartMirror AI (in progress):** Live virtual try-on app — webcam pose tracking (MediaPipe), a fine-tuned virtual try-on model (CatVTON) for photorealistic renders, and a RAG assistant for fabric and size advice.
- **Fake Profile Detection (Computer Vision):** Deep learning classifier in PyTorch detecting AI-generated faces, trained on 20,000 images and optimized for F1-score.