

HASAN ABDULLAH

AI & Full-Stack Developer · *founder of Noema*

(AI × SOFTWARE × WEB × MOBILE)

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DEBATE-LENS.COM



01 EDUCATION

- President University

B.S.C. · 2023 — PRESENT

Information Technology (Computer Science), **AI concentration**. Programming, web & mobile development, databases, artificial intelligence.
- SMAN 12 Bekasi

HIGH SCHOOL · 2020 — 2023

Social Studies (IPS) — **Best Student Academic Achievement**; ranked top of the track.

02 SKILLS

- LANGUAGES
- PYTHON TYPESCRIPT
- JAVASCRIPT JAVA PHP
- DART SQL HTML/CSS
- AI / ML
- LLMS NLP · ROBERTA XLM-R
- YOLO · CV PYTORCH
- TRANSFORMERS OPENCV
- MULTI-LLM
- WEB & MOBILE
- REACT VITE NODE · EXPRESS
- FASTAPI TAILWIND FLUTTER
- REST LAMP
- DATA & CLOUD
- SUPABASE POSTGRESQL MYSQL
- FIREBASE DOCKER VERCEL
- GCP HF SPACES
- TOOLS & CRAFT
- GIT · GITHUB VS CODE
- CURSOR CLAUDE CODE
- ANDROID STUDIO

03 PROFILE

AI and full-stack developer building intelligent products end-to-end — from fine-tuned ML models to shipped, deployed web apps. Computer Science (IT) student specialising in AI at President University, with hands-on work across **LLMs/NLP, computer vision, and full-stack web & mobile**. Pairs technical depth with an interdisciplinary grounding in ethics, policy and human-centred design.

04 EXPERIENCE

- Founder — Noema

2026 — PRESENT · REMOTE

Sole founder. Designed, built and shipped **DebateLens** end-to-end — React, Node/Express, LLMs, deployment — Noema's first AI product.
- Intern IT Support — MNC Tourism Indonesia

SEP 2025 — APR 2026 · JAKARTA

Built and deployed full-stack sites from mockups (React, Vite, MariaDB); shipped features and fixes in a production PHP/Laravel codebase.

05 SELECTED PROJECTS

- ◆ DebateLens — AI debate & argument analysis

REACT · NODE · SUPABASE · LLMS

Full-stack AI product scoring each side of debates, interviews and articles on **clarity, evidence, logic and persuasion** — fact-checking claims, flagging fallacies, mapping political leaning. Live at debate-lens.com.
- AI Security Risk Analyzer — explainable risk scanning

FASTAPI · PYTORCH · XLM-R

Scans text and documents (PDF, DOCX, CSV, OCR) for **PII and secrets**; fine-tuned bilingual EN/ID transformer + rule-based heuristics, risk verdicts mapped to ISO/NIST.
- Industrial Defect-Detection Suite

YOLOV11/V5 · FASTER R-CNN · OPENCV

Real-time defect detection on bottles and cans at **90%+ accuracy**, delivered with a unified testing GUI (client project).
- AI Medical Guidance Chatbot

MIXTRAL · LLAMA · GEMMA · GROQ

On-topic health-guidance agent orchestrating multiple LLM endpoints behind Python safety guardrails.
- WWII Knowledge Chatbot

ROBERTA · PYTORCH

RoBERTa fine-tuned on a curated WWII corpus for accurate, **fully offline** historical Q&A.
- Photo AI Portrait Studio

FLUTTER · FIREBASE · GEMINI

Scene-aware portrait generation from selfies via Cloud Functions + Gemini; glassmorphic UI with history.

ALSO EssAI (essay grading) · Traffix (smart-city CV) · AlBantu (accessibility) · Interactive Portfolio Website (this design) · Hotel Reservation · Car Rental · Guess the Word — **18 projects in the full archive** at hasan-portfolio.com.

BEYOND TECH

18+

PROJECTS SHIPPED

3+

YEARS BUILDING

2

FINE-TUNED NLP MODELS

1

COMPANY FOUNDED

06 RESEARCH & IMPACT

FIELD RESEARCH — 100+ PAGE PAPER

Jakarta Museums Visitor Study
Interviews with foreign tourists, guides and locals across **six Jakarta museums**, written into a 100-plus-page scientific paper in one month. Visitors praised hands-on batik workshops and repatriated artefacts — yet many felt colonial voices still dominate; a Belgian historian added comparative insight on Dutch rule in Belgium vs. Indonesia.

COMMUNITY — PAEDIATRIC ONCOLOGY

LPK Cancer Shelter Outreach
With a nine-person university team at Yayasan Lilin Pelita Kasih's six-room Rumah Singgah near Jakarta's oncology hospitals — **donated operational funds** and ran art-and-bracelet play sessions for paediatric cancer patients and their parents.

CRITICAL ANALYSIS — 30 SLIDES

"Three Forms of Fascism" Review
A 30-slide critique of Lauren Sweger-Hollingsworth's working paper — applauding its classical/neo/post-modern taxonomy while recommending **stronger quantitative evidence** and wider case studies.

ENTREPRENEURSHIP — ECONOMIC SURVIVAL

RNDM Apparel
Launched a niche T-shirt line blending computer-science themes with humour; **sold at President University's 2024 economic exhibition**. Key gains: product-market-fit testing and branding, in a six-person team.

07 AWARDS & CERTIFICATIONS

AWARDS

- ★ Best Student Academic Achievement — High School
- ★ President University Scholarship — Rank 2

CERTIFICATIONS

- ★ Alibaba Cloud Model Studio Fundamentals
- ★ Google Generative AI Training
- ★ Hackathon Garuda Hacks · Grasshopper I & II

08 INTERESTS & ANALYTICAL FOCUS

GLOBAL AFFAIRS & POLITICAL ANALYSIS

PHILOSOPHY & ETHICS

SOCIOLOGY & CULTURAL STUDIES

WORLD HISTORY & GEOPOLITICS

CLASSICAL MUSIC · WALTZES · TANGOS · JAZZ

FORMULA 1 · AUTOMOTIVE

Applied as **evidence-based, neutral reasoning** — the conviction behind DebateLens.

NEXT — LET'S TALK

Building technology that genuinely serves people — from fine-tuned models to the pixel.

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