Mahmoud Yaseen

Full Stack Web Developer & AI Eng | Beylikdüzü, Istanbul, Türkiye | 05340340325 | mahmoudyaseen606@outlook.com |
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About

Full Stack Developer specializing in Python and JavaScript ecosystems (React, Next.js, Node.js), with Flask backend expertise and AI integration experience. Currently advancing skills through a Master's in Artificial Intelligence & Data Science, focused on building performant web applications that solve real business challenges. Proven in delivering scalable solutions that enhance user experience and drive growth.

Work Experience

zeroday academy   İstanbul, Türkiye
CyberSecurity trainee   Aug '24 - Dec '24

- Reduced false positives in security alerts by 25% through advanced log analysis and pattern recognition.
- Automated system monitoring tasks using Bash scripts, saving 15+ hours/week of manual work.
- Implemented Linux security hardening measures across 50+ servers.

PAPEL CUP AMBALAJ SANAYI IÇ VE DIS TICARET LIMITED SIRKETI   İstanbul, Türkiye
Full stack web developer trainee   Dec '22 - Nov '23

- Built 3 production-ready web applications using Next.js and React, improving page load speed by 45%.
- Designed RESTful APIs handling 500+ daily requests with 99.8% uptime.
- Implemented JWT authentication for secure user sessions.

Caretta®   İstanbul, Türkiye
AI Developer   Oct '22 - Dec '22

- Developed and deployed a collaborative filtering recommendation engine using Python and TensorFlow, improving movie recommendation accuracy by 32%.
- Integrated the model with existing web infrastructure using Flask APIs.
- Optimized model performance through hyperparameter tuning, reducing inference time by 40%.

Skills

Python · Next Js · C# · Cyber Security · Linux · Machine Learning · MySQL · Node.js · React Native · React.js

Languages: English · Arabic

Education

Istanbul Aydın University   2027
Masters Degree | ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
With Thesis (currently studying)

Istanbul Aydın University   2025
Bachelor's Degree | Computer Engineering | GPA: 3.4

Projects

Full Stack web app with AI

github.com/Mahmoudyasen/DAWebAI | Developed a secure patient portal for end-to-end appointment management (scheduling/rescheduling/cancellation) with user authentication. Integrated three AI models for diagnostic support.

- - End-to-End Appointment Management: Engineered a secure patient portal enabling scheduling, rescheduling, and cancellation of appointments, reducing manual administrative tasks by 40% (estimate) through workflow automation.

  - Robust User Authentication: Implemented OAuth 2.0/JWT-based authentication with RBAC (Role-Based Access Control), ensuring HIPAA/GDPR compliance and preventing unauthorized data access.

  - AI Diagnostic Integration: Deployed 3 ML models (e.g., NLP for symptom analysis, CNN for imaging support, predictive analytics for risk assessment) to assist clinicians in diagnostics, improving preliminary assessment accuracy by 30% (estimate).

Movie Recommendation Engine | AI/ML Project

github.com/Mahmoudyasen/MovieAI | Developed a content-based recommendation system using machine learning to suggest similar movies based on plot, genre, and actors.

- - ML Algorithms: TF-IDF vectorization + k-Nearest Neighbors (k-NN) for similarity matching

  - Backend: Python (Flask API), sklearn, pandas

  - Frontend: Next JS with real-time search and responsive UI

  - NLP Techniques: Combined movie metadata into feature vectors for content-based filtering

Full Stack Intelligent Document Processing Web App

github.com/Mahmoudyasen/IDP | Automate data extraction from PDFs/scanned docs (invoices, contracts).

- - This project is still in development.
  - Frontend: React + TypeScript, Tailwind CSS, react-pdf-viewer, react-dropzone.
  - Backend: FastAPI (Python), Celery (task queue), Redis (caching/broker).
  - And it will be used with Docker.