Omar Ali Kandil
Software Engineer.

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Education

Bachelor's in Computer Science   *-Oct 2021 – Jun 2025*
Faculty of Computers and Artificial Intelligence, Damietta University, Egypt
- Graduation Project: EcoNerve, A+
- GPA:3.14

Experience

Software Engineer (AI Training Data) — Outlier.ai   Jun 2024 – Present
- Contributed to AI projects including Claude 3.7, Gemini 2.5 pro and OpenAI GPT O1,4.1 , completing 150+ tasks across frontend development, API integration, structured data generation, and SQL.
- Improved task accuracy by 50% in 20+ cases and reviewed 30+ assignments with detailed feedback and quality ratings.
- Built and annotated Data for code generation, and web tasks, supporting model training and evaluation.
- Served as a peer reviewer, maintaining a performance rating of 80%+ across complex, multi-domain projects.

Trainee – Digital Pioneers Egypt(MERN Stack Devleloper)   *May 2024 – Nov 2024*

 - Participated in a comprehensive training program covering both technical and soft skills, including business writing, proposal
 - Focused on full-stack development with an emphasis on front-end technologies.
 - Built responsive, interactive websites using modern web development tools, including:
    - **React:** React-DOM, React Router, Hooks (useContext, useEffect, useState), and Component Lifecycle, handling requests with axios
    - **Node.js**: Implemented server-side logic using Node.js, building RESTful APIs to handle CRUD operations and connect with databases.
    - **Express**: Utilized Express.js to create efficient, scalable, and secure back-end applications, focusing on middleware functions, routing, and session management.
    - **MongoDB**: Worked with MongoDB for database management, performing data modeling, queries, and aggregations, and integrated it seamlessly with Express and Node.js.
    - **APIs**: Consumed and built APIs for various use cases, including third-party integrations (e.g., payment gateways, authentication systems)
    - Wide Array of Tasks, over 25 tasks with a completion rate of 90% in assigned tasks, demonstrating strong problem-solving and adaptability.

Trainee- ATHR development (Unity game developer)   *Feb 2nd to 10th 2025*
 -10 day training at ATHR working on my own project.
 -saved time by giving out of the box ideas to replace certain animations on a different game.
 -provided valuable information on the game development process and how to showcase our work.
 -provided insight on what products and services we can make marketable in the industry.

Projects

Match Master (Unity Game) GitHub

- • Developed a puzzle game inspired by Candy Crush, featuring unique abilities such as adjacent tile explosions, same-color chain clears, and row/column bombs.
  • Utilized Unity prefabs and particle systems to create dynamic visual effects and reusable game components.
  • Implemented scalable grid mechanics and optimized tile-matching logic to ensure smooth gameplay and responsiveness.

Flappy Bird Clone (Unity Game)
• Developed a 2D endless runner-style game inspired by Flappy Bird.
• Designed a responsive menu system with restart and quit options for smoother user experience.
• Implemented core mechanics using Unity physics (gravity and collision detection) for precise gameplay control.
• Utilized prefabs for pipes and obstacles, allowing scalable level generation.

Movement Prototype (Unity Game) GitHub
• Built a 2D prototype focused on testing and showcasing movement mechanics.
• Implemented features including wall jumping, grappling hook/rope mechanics, flashbang interaction, and box launching.
• Designed physics-driven movement using Unity's Rigidbody2D and colliders for realistic responses.
• Structured gameplay with modular prefabs for quick iteration and testing of new mechanics.
• Focused on raw mechanics without polished animations, serving as a foundation for future 2D action games.

Appointment Booking System (MERN Stack) GitHub

- Developed an appointment system that enables creating and canceling appointments online.
- Backend: with the use of NodeJs and Express, creating multiple apis like: appointment, reviews, services, user and admin APIs as well as the use of MongoDB for database.
- NodeMailer: to send appointment confirmation and cancellation emails.
- Admin(Viewing appointments and cancelling, adding, updating and deleting services as well as workdays) User Dashboard (for viewing personal appointments and canceling them).
- PayPal: Integration with PayPal API for payments.
- Full Responsive design for all the required views.

Exam Platform (Frontend only) [GitHub](#)
- Developed a registration and login system.
- Implemented exam question fetching, flagging functionality, and a real-time scoring system with timers.
- Finished the project with a 30% increase in speed, outperforming the average development time.

MiniStore(Template Recreation) [GitHub](#)
- Focused on responsive design with horizontal scrolling
- Utilized CSS Grid and Flex for layout management.
- Ensured easy integration into React applications, enabling faster deployment, reducing development time by 30%.

Web BattleShip Game [GitHub](#)
- Developed an interactive game using JavaScript objects.
- reducing code complexity by 25% through efficient object programming.
- Created the game board with HTML and CSS, implementing hit detection and game logic.
- Used the Model-View-Controller (MVC) pattern to structure the project, enhancing maintainability and reducing debugging time by 40%.

Skills

- C# - Python - JavaScript - HTML/CSS – SQL – React – Nodejs – ExpressJs - MongoDB
- Algorithms - Data Structure - OOP – API design
- Problem Solving - Mathematics - GitHub - Team leadership - Communication.
- Unity – DaVinci resolve – Cloud Computing
- Languages: Arabic (native) – English (Full professional proficiency)
- Additional Skills: Travel Management, Customer Service, Photography, Image & Video Editing, Speed Typing (90 WPM)

Summary

Detail-oriented and adaptable **Software Engineer** with a strong foundation in **Computer Science** and hands-on experience in **AI training**, **full-stack web development**, and **data annotation**. Currently contributing to AI projects at **Outlier.ai**, including Claude, Gemini, and OpenAI models, with over **150+ completed tasks** spanning frontend development, APIs, structured data generation, and code evaluation. Demonstrates high accuracy, strong attention to detail, and effective collaboration, maintaining **an 80%+ reviewer rating**.

Trained as a **MERN Stack Developer** through Digital Pioneers Egypt, completing diverse frontend and backend projects using **React, Node.js, Express, and MongoDB**. Proven ability to build responsive and scalable web applications, integrate third-party APIs (e.g., PayPal), and manage databases efficiently.

Known for being highly **self-motivated, organized**, and **analytical**, with a deep understanding of **algorithms**, **OOP**, and **data structures**. Strong written communication, fast learning, and the ability to **quickly adapt to new tools and workflows** make me well-suited for both collaborative and independent roles in dynamic environments.

Strengths include:

- Unity & C# — gameplay programming, prefabs, particle systems, physics-based mechanics
- Prototyping — building mechanics like grappling hooks, wall jumping, and procedural levels
- Software Foundations — algorithms, data structures, OOP, clean code practices
- Cross-domain versatility — experience in AI-human alignment, full-stack web development, and scalable systems
- Collaboration — strong communication, peer review, and ability to adapt to fast-paced environments
- Fast problem-solving and clean code practices
- Deep experience in **AI-human alignment** and **structured data**
- Versatile tech stack across **software, web, and data projects**
- Passion for continuous learning, especially in AI, web, and automation
- Strong documentation, review, and quality assurance skills

Certifications

- [Introduction to Cloud Computing from IBM](#)
- [Delivering Quality Work with Agility from IBM](#)
- [Introduction to Web Development with HTML, CSS, JavaScript](#)
- [Getting Started with Git and GitHub](#)
- [DEPI Business English](#)
- [DEPI Graduation Certificate](#)