Adham Ahmed Altony

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OBJECTIVE

Driven and versatile computer engineer seeking opportunities to apply full-stack web development and machine learning expertise to real-world projects. Skilled in building fast, scalable applications using technologies like **JavaScript, React, Node.js, PostgreSQL, and MongoDB**, with a strong foundation in **machine learning tools** such as **Scikit-learn, Pandas, NumPy, and TensorFlow**. Committed to writing clean code, optimizing performance, and delivering exceptional user experiences.

EDUCATION

Bachelor of Engineering in Computer Science & Engineering,
Faculty of Electronic Engineering, Menoufia University   **2024 – 2028**

- GPA: 3.15 / 4.00
- Relevant Skills: C/C++, React, PostgreSQL, SQL

High School Diploma – IGCSE, Al Nahda National Schools

- Studied under the British Curriculum

WORK EXPERIENCE

Freelance Web Developer
ITIDA Gigs – National Freelancing Initiative — Cairo, Egypt   **June 2025 – August 2025**

- Completed freelance projects as part of Egypt's national gig initiative, delivering client-focused web solutions
- Developed and maintained responsive websites using HTML, CSS, JavaScript, React, and Node.js
- Communicated directly with clients to gather requirements, present solutions, and iterate based on feedback
- Balanced multiple projects while meeting deadlines in a hybrid/remote work setting
- Strengthened skills in client management, version control, and delivering production-ready code

Smart School Attendance System (Freelance Frontend Developer)
Oct 2025 – Oct 2025

- **Developed a responsive, user-friendly frontend for a full-stack student attendance and disciplinary management system for a Saudi educational client.**

- **Built with React.js and Tailwind CSS; integrated Swagger APIs for seamless backend communication.**

- **Features included attendance tracking, automated warnings, detailed reports, and dashboard management for users, subjects, and sessions.**

- **Strengthened skills in frontend architecture, API integration, UI/UX design, and real-world client collaboration.**

- **Source Code: github.com/AdhamAhmed2005/School_attendance_system**

All-in-One File & Media Downloader (Freelance Full-Stack Developer)

- **Built a web application combining PDF/file conversion tools (PDF to Word, Excel, etc.) with TikTok and YouTube media download capabilities.**

- **Led the full software development process, including frontend and backend, using Next.js, Node.js, and MongoDB. Developed responsive interfaces, seamless backend services for file conversion and media downloads, and efficient storage handling.**

- **Implemented performance optimizations, error handling, and secure file operations for high-traffic usage.**

- **Strengthened skills in full-stack architecture, cloud storage integration, and end-to-end project delivery.**

- Source Code: github.com/AdhamAhmed2005/PDF-tools

EXPERIENCE

Machine Learning Intern
National Telecommunication Institute (NTI) — Remote   *April 2025 – May 2025 (120 Hours)*

- Completed a 120-hour internship focused on machine learning, data science, and freelancing skills
- Collaborated under expert mentorship to deliver AI-powered applications
- Key Projects:
    1. Movie Genre Classifier using SVM, Random Forest, XGBoost
    2. Cancer Detection with ensemble models
    3. Flower Recognition using transfer learning (CNNs)
- Applied supervised and unsupervised learning to real-world problems
- *Certified in Machine Learning – NTI*

COURSES

Frontend Web Development Intern
Digital Egypt Pioneers Initiative (DEPI) — Remote   **June 2025 – Present**

- Developed responsive, user-friendly web apps using React.js, JavaScript, HTML, and CSS
- Collaborated with UI/UX designers and backend developers in agile sprints
- Delivered real-world client-facing projects under tight deadlines
- Strengthened cross-functional teamwork, communication, and time management

Machine Learning Fundamentals
ZTE Corporation   **January 2025 – Present**

- Studying core concepts of supervised and unsupervised learning
- Building hands-on projects like genre classification, cancer detection, and image recognition

C++ Programming
Beginning C++ Programming – From Beginner to Beyond   **October 2024 – February 2025**

- Completed a 4-month course focused on OOP, memory management, loops, and functions
- Developed structured and object-oriented C++ applications

Full-Stack Web Development Bootcamp
Online – The Complete Full-Stack Web Development Course   **February 2022 – November 2022**

- Completed a 9-month intensive bootcamp covering HTML, CSS, JavaScript, React, and Node.js
- Built full-stack web apps integrating dynamic frontends with RESTful backends

PROJECTS

Sehatalk – Medical Services Platform (Full-Stack Developer)

- **Developed a modern healthcare platform that allows users to browse medical services, view doctors, and access detailed service information.**
- **Built the entire application using Next.js, Tailwind CSS, Radix UI, and MongoDB, ensuring a clean UI, fast performance, and scalable architecture.**

- **Implemented dynamic service pages, doctor listings, responsive layouts, and a smooth navigation flow using Radix primitives.**
- **Integrated MongoDB to manage structured medical data and used server-side rendering to boost SEO and overall page speed.**
- **Focused on reusable components, accessibility, and a polished user experience across desktop and mobile.**
- **Source Code: github.com/AdhamAhmed2005/SehaTalk**
- **Live Website: sehatalk.vercel.app**

Movie Genre Classifier (NTI Graduation Project)

- Developed a machine learning web app to predict movie genres based on **title, overview, and keywords**
- Built with a **3-member team** as part of the NTI graduation project
- Led **data preprocessing and feature engineering** on a dataset of **5,000+ movies**
- Applied techniques including **text cleaning, tokenization, stemming**, and **TF-IDF vectorization** using **NLTK**
- Achieved **93% accuracy** using a tuned **Random Forest** classifier after evaluating multiple models
- Deployed the final model with an interactive frontend using **Streamlit**

Tech Stack: Python, Pandas, NumPy, Scikit-learn, TF-IDF, Streamlit, NLTK

SKILLS

Programming Languages: *Python, JavaScript, C/C++, HTML, CSS, SQL*
Web Development: *Nextj.js*, *React.js, Node.js, Express, REST APIs, Tailwind CSS, Bootstrap*
AI/ML: *NumPy, Matplotlib, Scikit-learn, Jupyter*
Databases: *MongoDB, Firebase, MySQL, PostgreSQL*
Tools: *Git, GitHub, Postman, Linux, VS Code, PyCharm, Vim*