Shady Mohamed

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⬡ GitHub   📊 CodeForces   Ɛ LeetCode   ⬤ ICPCID

Education

BENHA UNIVERSITY
Computer Science
📅 2021 — 2025   📍 **Benha, EG**
GPA: 3.65 / 4.0

DEPI
Full-Stack .NET Development Bootcamp
📅 Oct 2024 — May 2025   📍 Remote, EG
6-month intensive program focused on ASP.NET, Entity Framework, Unit Testing, and modern JavaScript frameworks.
Graduation Project: HR Management System (see Technical Projects)

Experience

SCALE AI

Coding AI Model Tester
📅 Sept 2023 – Oct 2023   📍 USA (Remote, Freelance)
- Conducted regular interactions with AI models for performance evaluation and accuracy assurance.
- Challenged AI with complex problems to assess its problem-solving capabilities.
- Rated AI responses based on relevance, accuracy, and comprehensiveness.
- Delivered actionable feedback to the development team for continuous model improvement.

Competitive Coding AI Trainer
📅 July 2023 – Sept 2023   📍 USA (Remote, Freelance)
- Successfully completed 67 coding tasks with 100% accuracy, encompassing problem-solving using C++ and Python.
- Formulated comprehensive test cases to validate coding solutions, ensuring the robustness and reliability of the AI training process.
- Generated high-quality summaries and editorials for coding challenges, contributing to the development of an advanced generative AI model.
- Played a pivotal role in training a cutting-edge generative AI model by addressing coding challenges in the Dolphin Project, aiding in the model's enhancement.

DATACURVE

Python DSA Problem Solver & Creator
📅 Jun 2024 – Dec 2024   📍 USA (Remote, Freelance)
- Solved a wide range of complex Data Structures and Algorithms (DSA) problems in Python to support AI model training.
- Created advanced coding problems designed to challenge model capabilities and foster algorithmic growth.
- Received detailed feedback from expert reviewers to continuously refine problem-solving techniques and problem quality.

AFTER QUERY

Advanced Problem Creator & Solver
📅 Mar 2025 – May 2025   📍 USA (Remote, Freelance)
- Solved highly complex algorithmic problems to advance AI model performance.
- Created very hard problems, validated initially by AI to assess solvability and push the boundaries of AI reasoning.
- Received and incorporated feedback from expert reviewers to improve both problem quality and solution depth.

Volunteer Experience

ICPC BENHA COMMUNITY
COMMUNITY INSTRUCTOR
- Wrote contests and sheets
- Made problem-solving lectures and practice sessions

Skills

PROGRAMMING LANGUAGES
C • C++ • C# • Python • Java • JavaScript • HTML • CSS

FRAMEWORKS & LIBRARIES
Bootstrap • JQuery • Entity Framework • Tailwind CSS • Bootstrap • GSAP • ASP.NET MVC

DATABASES
Oracle • SQL Server

API DEVELOPMENT & TESTING
RESTful APIs • Postman • Swagger

MISCELLANEOUS
Git • Shell • Bash • Microsoft Office • Google (Sheet/Documents/Presentation)

OPERATING SYSTEMS
Windows • Linux

TOOLS AND CONCEPTS
GitHub • Problem-Solving • Competitive Programming • Data Structures • Algorithms • OOP • SOLID Principles • Design Patterns

Technical Projects

HR MANAGEMENT SYSTEM
C# - HTML - CSS - JS
HRMS project with MVC architecture, payment integration using stripe, authentication and authorization.

TINY LANGUAGE COMPILER
C++
A simple, educational compiler that demonstrates lexical and syntax analysis for a custom Tiny-language, allowing users to enter and analyze code via a graphical interface.

Honor & Awards

ECPC
- 79th place — ECPC 22'
- 67th place — ECPC 23'

Certificates

ECPC QUALIFICATION CONTEST (2022 - 2023)

ECPC FINALIST CONTEST (2022 - 2023)

ECPC QUALIFICATION CONTEST (2023 - 2024)

HACKER RANK PROBLEM SOLVING (INTERMEDIATE)

Languages

ARABIC
NATIVE

ENGLISH
ADVANCED

DEUTSCH
BEGINNER