Ibrahim Mohammed Alghrbawy

Full Stack Engineer (.NET & Next.js) | 2x ACPC Finalist | CS Student

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Summary

Computer Science student **(Ranked 2nd, CGPA 3.53)** with strong foundation in algorithms, data structures, database, OS, and full-stack development. Specializes in **(.NET)** backend and modern frontend frameworks **(React/Next.js)**. Competitive Programmer (**Codeforces Expert**) with **two-time ACPC qualification**. Passionate about building scalable systems and mentoring student developers.

Education

Bachelor's Degree, Faculty of Computer Science & Artificial Intelligence – USC   *Graduating June 2026*

CGPA : 3.53, ranked 2nd in the department.

Competitive Programming Journey

- **Qualified to ACPC (Africa and Arab Collegiate Programming Championship) two times (2024, 2025).**
- Solve **2,000+** problems across Codeforces and other platforms, **Codeforces Expert Rank.**
- **ICPC ID: K8TRZ9KXTJCH | Codeforces Handle: Borhom**

Experience & Training

Trainee – ITI Menoufia (.Net Track)   *Menoufia, Egypt | Aug 2024*

Built backend features using C#, ASP.NET, and Entity Framework. Implemented authentication, CRUD endpoints and DB schema design. Worked with MS SQL Server and deployed test builds.

Technical Head & Mentor – ICPC USC Competitive Programming Community   *2023 – Present*

Delivered sessions on algorithms and problem solving.

Projects

Ecommerce Website – Frontend (Next.js + TypeScript)
- frontend-only web application with product browsing, URL-based string query search, cart/wishlist, auth UI, checkout; uses App Router, Redux Toolkit, react-hook-form, zod, Tailwind/Shadcn pattern.

Gradiator API – Restful API (.Net)
- REST API for authentication, role management, project submissions, institutions and media handling via Cloudinary.

Audio Retrieval API – Restful API (.Net)
- REST API designed to manage and advanced searching algorithms using lucene for audios.

Key technical strengths

- **Languages:** C++ | C# | HTML | CSS | JS | TS | Python(basics) | PHP(basics) | SQL | Bash
- **Frontend:** React | Next.js | Bootstrap | Tailwind CSS
- **Backend:** ASP.NET | LINQ | Entity Framework | JWT | Node.js | MS SQL, PostgreSQL, MongoDB, MySQL, DuckDB
- **Tools and Platforms:** Git, GitHub, VS Code, Vercel, Postman, IIS
- **Core Concepts:** Data structures & Algorithms | OOP | MVC | Problem Solving | Database system

Courses and Certifications

- **AWS Academy Graduate – Cloud Foundation**
- **CS50 SQL – Harvard University**
- **ITI Summer training – Full Stack using .Net**
- **Route Academy – Full Stack (React.js, Node.js)**