

# Islam Sobhy

Computer Science Student

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## SUMMARY

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Computer science student with knowledge of back-end development with Express and MongoDB, algorithms, data structures, Linux administration, and network fundamentals, interested in building effective and efficient back-end applications.

## EDUCATION

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**Menofia University - Bachelor of Computer Science**

Sep. 2021 – May 2025

**Relevant Coursework:**

- Data Structures
- Algorithms
- Operating Systems
- OOP
- Database
- Networking

## PROJECTS

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- **Flash Memo** — Flash Cards Memorizing website — HTML, Sass, JavaScript, Express, MongoDB
  - Developed a flashcards app for revising and memorizing vocabulary in any language and assisting students in memorizing their lecture questions.
  - Implemented a user-friendly UI using HTML, Sass, JavaScript, and EJS as a templating language.
  - Implemented the project API using the Express framework and MongoDB database, incorporating REST API concepts.
  - Established a strong component architecture using the MVC architecture.
  - Utilized JWT, Cookie Parser, and bcrypt modules for robust authentication and authorization.
- **Personal Blog** — HTML, Sass, Express, MongoDB
  - Developed a personal blog application to manage users' publishing, editing, or deleting their blogs.
  - Implemented an easy-to-use, user-friendly UI using HTML, Sass, JavaScript, and EJS as a templating language.
  - Constructed API models using Mongoose schema and built routes using the Express framework.
  - Established a strong component architecture using the MVC architecture.
  - Used JWT, Cookie Parser, and bcrypt modules for robust authentication and authorization.
- **Mapty** — Activities tracker — HTML, CSS, JavaScript
  - Constructed a physical activities tracker to track and record physical activities such as running or cycling and record them on a graphical map.
  - Implemented the map feature using the Leaflet library.
  - Utilized OOP concepts for building every workout property.
  - Recorded each activity on the map using Local Storage API.
- **BankistSite** — Banking website — HTML, CSS, JavaScript
  - Built a banking system website capable of tracking deposits, withdrawals, and financial statistics for bank users.
  - Implemented financial features like loans, deposits, and withdrawals using JavaScript data structure concepts like arrays and objects.
  - Implemented financial statistics for each account.

- Utilized ES6 features for improving code quality and maintenance like map, filter, and reduce methods.
- **Portfolio Website** — User-friendly website — HTML, Sass, JavaScript
  - Built a user-friendly portfolio website for listing old projects and experiences.
  - Designed a user-friendly UI using HTML, Sass, and JavaScript.
  - Added awesome animations to the portfolio using CSS animation.
  - Constructed strong and organized UI components using Sass components such as functions and mixins.
  - Built a contact form for contacting about new job tasks using Netlify form.
- **NewsGrid** — Hot news website — HTML, CSS
  - Built a hot news website for publishing in various fields such as sports, technology, and modern science.
  - Designed a beautiful UI using HTML and CSS modern concepts.
  - Created a responsive layout using CSS media queries.
  - Built a contact form for contacting about any issue on the website using Netlify form.

## TECHNICAL SKILLS

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- **Languages:** HTML/CSS, JavaScript, C++, Python, Bash Scripting
- **Technologies/Frameworks:** Express
- **Developer Tools and Platforms:** Git, GitHub, VS Code, MongoDB, Compass
- **Skills:** Data Structures & Algorithms, Operating Systems Networking, Competitive Programming

## ACHIEVEMENTS

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- Participated in ICPC ECPC qualifications 2022.
- Solved over 1000 problem-solving problems on various platforms such as Codeforces, CodeChef, and UVA.