

Noureldeen Ahmed

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Technical Skills

Languages: JavaScript, TypeScript, C, C#, Java, Python, SQL, HTML, CSS.

Frameworks: React, JQuery, .NET, Node.js, Angular, Java Spring Boot.

Dev Tools: VSCode, Visual Studio, Jira, Slack, Docker, Firebase, GitHub, GitHub Actions, Google Cloud, Azure, AWS.

Engineering Skills: Agile, CI/CD, REST, CLEAN Architecture, Domain-Driven Design, Dependency Injection.

Soft Skills: Fast Learner, Ambitious, Committed, Detail-Oriented, Problem-Solver.

Education

(May 2022 – Present)

Bachelor of Computing, Software Engineering (Co-op) \ University of Guelph:

Minor: Project Management

Academic Project: COVID-19 Statistical Analysis (2021)

Intention: Analyze correlations between COVID-19 cases and other data using Seaborn, Matplotlib and Pandas.

Skills:

- Adopted the role of Agile Lead to ensure scrum tasks were completed and changing requirements were met.
- Developed a script using requests to automatically update statistics so that they were never out of date.

Work Experience:

System1 (September 2022 – December 2022)

- Recognized for my fast learning on a large production project using cutting-edge Angular and .NET patterns.
- Thrived in fast Agile teams, using Jira and Slack to ensure efficient communication even when remote.

Egyptian Banks Company (May 2022 – August 2022)

- Developed a model Automated Clearing House (ACH) system using Java and MSSQL.
- Transformed the ACH model into a web-app using Spring Boot and Angular.

Personal Projects:

Reddit to TikTok Re-Poster: (March 2021 – May 2021)

Intention: Scrape videos with the Reddit API, edit using OpenCV and MoviePy and publish to TikTok.

Skills:

- Utilized OpenCV, an open-source, Python, computer vision library, to search for when a goal was scored.
- Implemented multithreading and a binary search algorithm to speed up goal finding by 95%.

Explore NASA: An Image Feed using NASA's Image of The Day API (December 2021)

Intention: Create a React App displaying results from NASA's Image of the day.

Skills:

- Made use of async-await functions to seamlessly request new images when needed.
- Implemented the control props pattern to create more interactive and user-friendly functional components.

Client Work:

Hair Service Website (December 2021)

- Worked closely with the client and the target audience to curate a detailed list of requirements
- Designed and executed a simple, accessible, and appealing user interface using pure JavaScript and CSS

Extra-Curricular Achievements:

Carnegie Mellon University BotBall Semi-Finalist (2020)

- Represented the school nationally with a team of 8 in a tournament where robots built from scratch and programmed using C# used computer vision to complete certain tasks.