Samer Arkab – B.Sc. Software Engineer

Email: samrr93@gmail.com
LinkedIn: LinkedIn Profile   **GitHub**: GitHub Repositories   **Portfolio:** My Portfolio

Skills

- Java, Python, JavaScript, C, SQL (MySQL)
- RESTful API, Containerization (Docker), Flask, Google Cloud Platform (GCP), Git, Node.js, ReactJS, OOP, Design Patterns

Military Service:

2011 – 2015: **Advanced role in signal traffic analysis, Intelligence Corps - Unit 8200**

- I was awarded a certificate of excellence for my contribution to the work of unit 8200.
- My military service required me to extract and analyze information using a combination of intelligence and technological skills. This experience helped me to develop strong problem-solving skills and a keen attention to detail, which I have carried forward into my professional career.

Education

2018 – June 2023: B.Sc., Software Engineering, Braude Academic College of Engineering

- **GPA**: 83.4
- **Client-Server System Project** (GitHub)**:** Designed and implemented a client-server system for online/offline exams, including exam creation and grading tools. Utilized Eclipse IDE and technologies such as multithreading, database integration, UML diagrams, and JavaFX. Developed skills in collaboration, project management, and software development best practices.
- **Final Project** (GitHub)**:** Leveraged deep learning expertise to train an InceptionV3-based image recognition model with custom layers. Implemented a volume estimation model using GAN architecture and a segmentation process employing Mask R-CNN. Further enriched the project by integrating an API for data retrieval. Deployed the models within Docker containers and managed communication on Google Cloud Platform (GCP) utilizing Kubernetes. The models were trained using Amazon's SageMaker Studio Lab. Ultimately, I developed a user-friendly web application, using Node.js for server-side operations and React.js for client-side interfacing, to make these sophisticated models accessible and usable.

Other Work Experience

2016 – 2017: **Web Intelligence Analyst, Terrogence – Netanya**

- I worked on a long-term data analysis project in collaboration with the coordinator of Israeli government activities. Our team gathered and analyzed data to provide insights and recommendations to support project goals. I also worked on a separate project focused on fraud detection, where I honed my skills in data analysis and interpretation while working independently and as part of a team.

Volunteer Experience

2019 – 2022: **"Perach" Program**

- Tutor to an elementary-school pupil until 2020.
- Tutor to college students in Data Structures, Intro to CS (C language), and Data Mining & Machine Learning until June 2022.

2009 – 2011: **Aharai!**

- Volunteer in Aharai organization in Isifya, helping and contributing back to the community.

Languages:

- English – full professional proficiency
- Hebrew – native proficiency
- Arabic – native proficiency