

# Samer Arkab – B.Sc. Software Engineer

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LinkedIn: [LinkedIn Profile](#)    GitHub: [GitHub Repositories](#)

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## Skills

- Python, Bash, Java, JavaScript, C, SQL (MySQL)
- CI/CD, Jenkins, Kubernetes, Containerization (Docker), Amazon Web Services (AWS), Linux, Git, Terraform, REST APIs
- Agile Methodologies, OOP, GitOps

## Education

2018 – June 2023: B.Sc. Software Engineer, Braude Academic College of Engineering (GPA: 84)

- **Final Project – Calculate Nutritional Values from Food Portions** ([GitHub](#)):
  - Implemented an image recognition system using InceptionV3 and Mask R-CNN for food segmentation and volume estimation in Python.
  - Trained models using Amazon's SageMaker Studio Lab. Deployed using Docker and Kubernetes on Google Cloud Platform.
  - Developed a web application using Node.js, Express, and React.js for user interactions.
  - Integrated a nutritional API to fetch and display corresponding values.
- **Computerized Examination Management System Project** ([GitHub](#)):
  - Implemented a client-server examination system using Java, JavaFX, and MySQL.
  - Used multithreading, UML, and Test-Driven Development (TDD) methodologies.
  - Strengthened skills in teamwork, project management, and software best practices.
- **Dell Technologies Mentorship Scholarship (Jan – Jun 2023):**
  - Chosen for a prestigious mentorship scholarship at Dell Technologies.
  - Mentored by a Senior Software Engineer, gaining in-depth knowledge in software development techniques and methodologies.

## Military Service

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

- Received a certificate of excellence for significant contributions to Unit 8200.

## Other Work Experience

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

- Collaborated on a long-term data analysis project alongside the coordinator of Israeli government activities, providing key insights and actionable recommendations.
- Worked on a fraud detection project, enhancing data analysis and interpretation capabilities.
- Worked both independently and collaboratively, demonstrating adaptability and teamwork.

## 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 / Arabic – native proficiency