

Samer Arkab – B.Sc. Software Engineer

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LinkedIn: [LinkedIn Profile](#)

GitHub: [GitHub Repositories](#)

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Hi! I'm a recent B.Sc. Software Engineering graduate seeking a DevOps role. Proficient in Python and Java, and I specialize in leveraging key DevOps tools, including Docker, Kubernetes, Jenkins, AWS, and Git. I am an excellent team player with a strong software engineering foundation, specializing in streamlining development pipelines and ensuring robust deployment processes.

Skills

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

Military Service

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

- Worked extensively with cutting-edge technologies in signal traffic and data analysis, providing key insights and actionable information.
- Worked both independently and collaboratively, demonstrating adaptability and teamwork.
- Received a certificate of excellence for significant contributions to Unit 8200.

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 food recognition using **TensorFlow**, **InceptionV3**, and **Mask R-CNN** in **Python** for precise segmentation and volume estimation. Used **Git** as the version control system.
 - Trained models efficiently on **Amazon's SageMaker Studio Lab** and deployed with **Docker** and **Kubernetes** on **Google Cloud Platform**.
 - Developed a sleek web application for user interactions with **Node.js**, **Express**, and **React.js**.
 - Integrated a nutritional **API** for seamless fetching and display.
- Computerized Examination Management System (CEMS) Project ([GitHub](#)):
 - Developed a robust client-server examination system in **Java**, utilizing **JavaFX** for the graphical interface, **MySQL** for database management and **Git** as the version control system.
 - Implemented advanced features through multithreading, adhering to **UML** specifications and applying **Test-Driven Development (TDD)** methodologies.
 - Enhanced project efficiency with continuous integration using **Jenkins** and streamlined deployment with **Docker**.
 - Strengthened skills in teamwork, project management, and software best practices.
- Dell Technologies Mentorship Scholarship (Jan – Jun 2023):
 - Selected for a prestigious mentorship scholarship at Dell Technologies.
 - Mentored by a Senior Software Engineer, gaining in-depth knowledge in software development techniques and methodologies.

Volunteer Experience

2019 – 2022: **"Perach" Program**

- 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.