

# FAHIM FRANCIS

+972542169954 | [faheemfrancis99@gmail.com](mailto:faheemfrancis99@gmail.com) | [linkedin.com/in/fahim-francis-1183b4294](https://www.linkedin.com/in/fahim-francis-1183b4294) | [FAfrancis99](#)

## Summary

Graduate this semester with a BSc in Computer Science from The Hebrew University of Jerusalem, with a strong foundation in Python, C, C++, Java, databases, machine learning, algorithms, data structures, and computer architecture. Experienced in participating in ML hackathons and serving as a calculus and mathematics tutor to students and young children in schools, showcasing both technical expertise and teaching ability.

Eager to apply my skills to help drive success in software engineering roles. Known for strong problem-solving skills, effective communication, and teamwork, with a passion for continuous learning and contributing to dynamic, innovative environments.

## Education

February 2025 - May 2025: SWITCH Course at Appleseeds with Hasoub - Intensive program on software engineering and development practices. - Covers clean code, system design, data structures, and algorithms. - Focus on practical skills, including debugging and using tools like Git.

2021 - 2025; Bachelor of Science (BSc) in Computer Science, The Hebrew University of Jerusalem

## Relevant Courses

Introduction to CS -85, C/C++, Machine Learning -84, Operating Systems, Software Engineering-95, Object-Oriented Programming (OOP)-80, Databases -93, Introduction to Artificial Intelligence -91, Introduction to Data Science -89.

## Projects

1. **Optimizing iRobot Performance** - [FAfrancis99/AI-Final-project](#)  
Designed a room-cleaning task for iRobot using Minimax, Alpha-Beta pruning, and Q-Learning to boost efficiency. I developed AI models in Python and collaborated on environment design and model evaluation, enhancing my skills in AI algorithms and real-time strategy optimization.
2. **FIFA World Cup Outcome Prediction** - [FAfrancis99/fifa-worldcup](#)  
Developed a machine learning model to predict match outcomes using historical data and team statistics. Utilizing Python and libraries like pandas and scikit-learn, I collaborated with my teammates to preprocess data and improve model accuracy, enhancing my skills in data analysis and predictive modeling.

## Professional Skills

Proficient with: Python, Java, and C, C++

Also familiar with: HTML, CSS, assembly

IDEs: PyCharm, Visual Studio, Jupyter Notebook, CLion, and IntelliJ IDEA

Platforms & Tools: Linux, Git, GitHub

## Languages

**Arabic:** Native | **Hebrew:** Full professional proficiency | **English:** Full professional proficiency