

# Rajaa Asad

Software Engineer

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## Summary

With a robust academic background and proven experience in software engineering, I offer a blend of theoretical knowledge and practical skills. Proficient in NLP, Python, and java. I'm adaptable, eager to learn, and committed to delivering outstanding results, making me the ideal candidate for this role.

## Skills

NLP (Natural Language Processing) • Python • Java • PHP • Design Pattern • OOP (Object-Oriented Programming) • Problem solving skills • Communication Skills

## Work Experience

### Full Stack Developer

Jun 2023 – Sep 2023 • 3 mos

ITG Software, Inc. • Internship

Remote

**Technologies:** Java • Servlet • JSP (Java/Jakarta Server Pages) • MVC • HTML/CSS

- Expert in crafting dynamic web applications leveraging Java Servlets and JSPs.
- Proficient in implementing MVC architecture for robust web development
- HCL Commerce Training Program

## Projects

### AI – Powered Website Builder, Graduation Project.

Sep 2023 – Feb 2024 • 5 mos

2 coworkers

**Technologies:** NLP (Natural Language Processing) • Python • Streamlit • Vercel • OpenAI APIs

- We successfully created a revolutionary system using AI NLP to build eight websites. Our chatbot interface enabled seamless user interaction, while advanced AI algorithms automated code generation, then provided users with ready-to-use website links.

### Pathfinding Visualization using A\* and BF S Algorithm s

Jan 2023 – Mar 2023 • 2 mos

**Technologies:** Python • Search algorithms • Problem Solving

- This project explains how to find the shortest path using search Algorithms
- A Visualization project focusing on designing and implementing AI search algorithms, specifically A\* and BFS, to find the shortest pat

The project highlighted my strong analytical skills, proficiency in AI techniques, and ability to deliver impactful solutions

### Online Medical Laboratory Website

Jun 2022 – Aug 2022 • 2 mos

3 coworkers

**Technologies:** PHP • MySQL • HTML/CSS • Bootstrap • Design Pattern

- Designed and implemented a user-friendly platform medical lab website where patients can view their medical results online. Our platform provides two roles:

- Admin: can perform CRUD operations on users, add medical tests, and view users' information.

- Patient: can view his personal information and medical results and even download them for future reference.

Our website supports OOP PHP for the back end, making the code clean, easy to understand, and maintain.

Additionally, we support secure access through the use of sessions

Education

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Bachelor's degree: Computer Systems Engineer

Sep 2019 – Feb 2024 • 4 yrs 5 mos

Palestine Technical University

Tulkarem, Palestine

Grade/GPA: 94%

History Project:

- Data Mining Project: R-language. GitHub Link: [https://github.com/RajaaAsad/DataMiningProject]
- Design Pattern Project: Java – CoR. GitHub Link: [https://github.com/RajaaAsad/CoR\_Pattern]
- VHDL Project: using VHDL language. GitHub Link: [https://github.com/RajaaAsad/VHDL-Project]
- Software Project: Documentation for the web project. GitHub Link: [https://github.com/RajaaAsad/software\_project]

High School: Scientific Stream

Sep 2018 – Jun 2019 • 9 mos

Beita Secondary School for Girls

Nablus, Palestine

Grade/GPA: 98.3%

- Top 2% scorer in Tawjihi Degree

Languages

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English (Limited working proficiency)

Arabic (Native or bilingual proficiency)