

# Bishara Babish

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## SUMMARY

Computer Science graduate and front-end web developer with strong experience in full-stack development, IoT solutions, and international collaboration. Skilled in JavaScript, React, and responsive design, with hands-on work in building e-commerce platforms, interactive games, and IoT automation projects. Experienced in Arduino, CAD, and prototyping, with a proven ability to deliver practical, high-quality solutions through both academic and professional projects.

## TECHNICAL SKILLS

**Programming:** JavaScript, TypeScript, C#, PHP, Java, C, C++. | **Frameworks & Libraries:** React, Node.js. | **Tools:** Git, Arduino, CAD, 3D Printing, Laser Cutting. | **Areas of Expertise:** Front-End Development, Full-Stack Applications, IoT Projects, Responsive Design, Prototyping, International Collaboration.

## TECHNICAL PROJECTS

### MRI Brain Tumor Detection System | [Link](#)

- Developed an AI-powered system using U-Net to segment and classify brain tumors from 3D MRI scans, achieving an 80.55% Dice Score on the BraTS2020 dataset. Led the full pipeline from data preprocessing to result visualization using Python, PyTorch, and related tools.

### The Dungeons Game (C#) | [Link](#)

- Built an interactive maze game with multi-level challenges, navigation, and key collection.

### Arabian Food Website (PHP, CSS, JS):

- Developed a full-stack e-commerce site with order management and delivery notifications.

### Assistive Technology App (App Inventor):

- Led a team to create a mobile app for wheelchair accessibility and emergency response.

## EDUCATION

### Udacity | Nanodegree, Front End Web Developer – Online |

Mar 2025

- Focused on responsive design, JavaScript, and React. Built and deployed professional-grade front-end projects.

### Al-Quds University | Bachelor, Computer Science:

2020 – 2025

## PROFESSIONAL EXPERIENCE

### Software Development Intern – ZeMa International Germany:

2023

- Built an Arduino-based IoT solution with sensors and automated lighting; produced CAD designs, technical documentation, and testing protocols; presented and optimized solutions for international teams.

### Innovation Program Participant – Fab Lab Siegen Germany:

2024

- Engaged in design thinking and rapid prototyping, delivering high-quality 3D printing and laser-cutting projects while collaborating with global teams.