

# Matej Behula

**Current Title:**

Student

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## Education

2022 - 2026

**Secondary Grammar School:**

- Piaristická spojená škola sv. Jozefa Kalazanského Nitra (Piarist united school of St. Joseph Kalazanský)
- Specialization: **Information Technologies in STEM**

## Job Experience

2025 – Present

**Freelance 3D Design & Additive Manufacturing**

- **Mechanical Design:** Developed functional replacement parts and custom mechanical assemblies using **Autodesk Fusion 360**.
- **Technical Workflow:** Managed the full production cycle from CAD modeling to final print.
- **Precision Fabrication:** Operated a **FDM** printer to deliver high-accuracy components for clients.

June - August 2025

**Summer Intern: Nuclear Power Plant Mochovce, Slovakia**

- **Documentation Operations:**  
Edited technical procedure documents for the Unit 4 of the Nuclear Power Plant; recognized for high efficiency and learning agility.
- **Industrial Maintenance:**  
Supported the Water Management Supervisor with preventative maintenance, industrial painting, and equipment lubrication within a high-security infrastructure.
- **Compliance & Safety:** Maintained compliance with strict nuclear safety (OSH) and security protocols in a regulated environment.

2025

## **REHABit: Programmable Wrist Rehabilitation Device**

*State Competition of Secondary Schools (SOČ)*

*3rd Place in State Competition "Mladý tvorca"*

- Developed an **ESP32-based** prototype for passive wrist rehabilitation, featuring precise **servo motor** control.
- Designed a **touchscreen UI** (NextionEditor/Arduino IDE) to customize speed, rotation angles, and repetitions.
- Consulted with the **Head of the Rehabilitation Clinic in Nitra** to ensure clinical and safety standards.

## **Technical Skills**

**Mechatronics & Design:** CAD Modeling (Autodesk Fusion 360), Additive Manufacturing (FDM), Microcontroller Programming (Arduino IDE, C++).

**Software Engineering:** Python (Data/Automation), C++, Arduino IDE.

**Technical Documentation:** Advanced MS Office, Technical Drawing, and Regulatory Compliance (Nuclear Safety Standards).

## **Languages**

- **Slovak (Native)**
- **English (C1)**

## **Certificates**

- **C1 Advanced English (CAE Certificate)**
  - CEFR Level C1
  - Date of Issue: March, 2026
- **First Aid Course Certificate**
  - Institute of health education in Nitra
  - Date of Issue: September, 2023
- **Driving License (B)**

## **Interests**

- 3D printing and additive manufacturing research, projects with microcontrollers
- rock climbing, playing drums
- sound engineering