



## Bekir Can Yalçın

**Date of birth:** 02/01/2003

**Nationality:** Turkish

**Gender:** Male

### Contact

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europass

### ABOUT MYSELF

Senior Computer Engineering student at IZTECH with a focus on embedded systems, computer vision, and AI. Experienced in R&D for RAG systems, NLP, and autonomous robotics (ROS2). Passionate about solving complex engineering challenges through innovative and efficient methodologies.

### WORK EXPERIENCE

**Kansai Altan** Izmir, Türkiye

**Website:** <https://www.kansaialtan.com.tr/>

**R&D IT Researcher**

06/10/2025 - Current

- Designed and developed a software pipeline utilizing RAG and NLP models to automate GTIP classification.
- Developed an asset recovery system for managing idle stock and production surpluses.
- Built an Allocated Lab Information Management System (ALIS) for intelligent document and user management by Agentic RAG.

**Kansai Altan** Izmir, Türkiye

**Website:** <https://www.kansaialtan.com.tr/>

**Project Intern**

01/07/2025 - 26/09/2025

- Developed AI systems for R&D research, including multi-angle color prediction models based on pigment concentration.
- Estimated pigment concentration from target optical values using inverse modeling.
- Implemented surface defect detection from microscopic images using YOLO.

**Dettai Engineering** Izmir, Türkiye

**Website:** <https://dettai.com/>

**Junior Software Developer**

01/06/2024 - 30/06/2025

- Trained object detection models and implemented them into embedded systems such as Raspberry Pi.
- Developed mobile applications and web pages using React and Node.js.
- Developed AI-powered agricultural technology solutions, integrating IoT devices for precision farming applications

### SKILLS

Java | JavaScript | 3D Modeling | Python | SQL | Git | Linux | HTML | CSS | Machine Learning | Deep Learning | NLP | RAG | OpenCV | YOLO | ROS2 | Raspberry Pi | Embedded Systems | React.js | Node.js | Matplotlib | Computer Vision | Docker | TensorFlow

### EDUCATION & TRAINING

**04/10/2021 - 27/07/2026** Izmir/Urla, Türkiye

**YUKSEK OGRETİM KURULU** Izmir Institute of Technology

**Website:** <https://www.gocart.com.tr> | **Field(s) of study:** Engineering, Computer Engineering  
| **Final grade:** 3.01/4.00 | **Level in EQF:** EQF level 6

**18/09/2017 - 02/07/2021** Konya/Ilgın, Türkiye

**MILLI EGITIM BAKANLIGI** Ilgın Ticaret Borsası Science High School

**Level in EQF:** EQF level 4

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Turkish

**OTHER LANGUAGE(S):**

**English**

**Listening** B2

**Reading** B2

**Writing** B2

**Spoken production** B2

**Spoken interaction** B2

**Spanish**

**Listening** A1

**Reading** A1

**Writing** A1

**Spoken production** A1

**Spoken interaction** A1

## CERTIFICATIONS

**DeepLearningAI - Andrew Ng**

**Machine Learning Specialization**

**DeepLearningAI - Andrew Ng**

**Deep Learning Specialization**

**DeepLearningAI - Andrew Ng**

**Advanced Learning Algorithms**

**Kansai Altan**

**Long-term Project Internship Certificate**

**Aselsan**

**Artificial Intelligence Speedbootcamp Certificate**

## PROJECTS

**Vision-Based Autonomous Delivery Robot**

: Indoor navigation using ROS2 and Raspberry Pi 5.

**Link**

[https://www.youtube.com/watch?v=y5Cs2GGnGVQ&embeds\\_referring\\_euri=https%253A%252F%252Fcanalcin.online%252F&source\\_ve\\_path=Mjg2NjY](https://www.youtube.com/watch?v=y5Cs2GGnGVQ&embeds_referring_euri=https%253A%252F%252Fcanalcin.online%252F&source_ve_path=Mjg2NjY)

**Real-Time Drowning Detection & Tracking System**

Senior design project using YOLO and computer vision to detect incidents from an above-water perspective.

**GTIP RAG/NLP Automation System**

Developing a software pipeline with RAG and NLP models to automate customs tariff classification.

## ● **Asset Recovery & Waste Management System**

Developed for factory idle stock and production surplus management.

## HOBBIES AND INTERESTS

### ● **Nature & Agriculture**

Interested in sustainable farming and nature, influenced by a family background in cultivating wheat and fruit orchards.

### ● **Sports & Outdoors**

Actively engaged in swimming, fitness, running, and hiking. Practitioner of Taekwondo.

### ● **Performing Arts**

Passionate about Turkish Folk Dance and traditional cultural performances.

### ● **Visual Arts & Crafts**

Enjoy drawing and painting, with a specific interest in creating ceramic sculptures and pottery.

### ● **Travel**

Enthusiastic traveler with a focus on exploring different cultures, including recent visits to Western & Central Europe.

### ● **Languages**

Currently learning Spanish to broaden cultural perspectives and communication skills

## RECOMMENDATIONS

References available upon request.