

## Ahmet Tanık

### Contact Information

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### Summary

Results-oriented **software engineer** with a strong foundation in software development and autonomous systems. Experienced in designing control algorithms for drones, developing full-stack web applications, and building mobile games. Demonstrated ability to lead cross-functional teams and manage projects from concept to execution while leveraging data analytics to drive user engagement. Passionate about creating scalable products, constantly learning new technologies, and contributing to innovative teams.

### Education

#### University of Europe for Applied Sciences – Berlin, Germany

Bachelor of Engineering: **Software Engineering** (50 % scholarship)

Graduated: **November 2025**

### Technical Projects

- **Autonomous Drone Navigation System (2024)**
  - Designed and implemented a Python/ROS-based algorithm for autonomous quadcopter flight, integrating sensor fusion, obstacle detection, and path planning.
  - Developed a simulation environment using Gazebo and tested multiple control strategies, achieving a *30 % reduction in flight path deviation* during obstacle-dense missions.
  - Utilised Git for version control and documented findings in technical reports shared with the engineering team.
- **Event Management Web Application (2025)**
  - Built a full-stack application with **React**, **Node.js**, and **MongoDB** to streamline event planning for university clubs.
  - Implemented user authentication, event scheduling, registration, and automated reminder emails, reducing administrative overhead by **40 %**.
  - Deployed on AWS using EC2 and RDS, configured CI/CD pipelines with GitHub Actions, and wrote unit tests to ensure code quality.
- **Social Media Data Analysis & ML Model (2024)**
  - Used **Python**, **Pandas**, and **scikit-learn** to analyse metrics from two TikTok channels (160 K+ followers) and predict video engagement.
  - Built regression models to forecast views and likes based on posting time, hashtags, and content type; achieved an **R<sup>2</sup> score of 0.82**.
  - Provided data-driven recommendations that increased average views per post by **20 %**.

## Experience

- **RigelSan Ar-Ge Savunma Güvenlik Teknolojileri A.Ş. – Drone Software Intern** (Feb 2024 – Apr 2024)
  - Developed autonomous flight control modules in **C++** and **Python**, enhancing drone stability and navigation.
  - Collaborated with multidisciplinary teams to integrate sensors, refine flight algorithms, and meet safety standards.
  - Conducted test flights, collected data, and iterated on control logic to improve performance metrics by **25 %**.
- **Codeway – Content Creator & Brand Representative** (Feb 2025 – Present)
  - Plan weekly content calendars and produce videos and articles targeting technology and wellness audiences.
  - Use data analytics to optimise content strategy, leading to a **30 % increase in engagement** across channels.
  - Collaborate with marketing, design, and engineering teams to align branding and technical messaging.
- **University Summits & Student Clubs – Organisation Leader** (2022 – 2025)
  - Led teams in planning and executing multi-day conferences, focusing on logistics, speaker management, and budget control.
  - Implemented an internal event management web app (see Projects) to streamline scheduling, communication, and attendee registration.
  - Mentored junior organisers and ensured efficient workflows and successful events.
- **Social Media Influencer & Project Coordinator** (2022 – Present)
  - Manage two TikTok channels with **160 K+ followers**, producing fitness, wellness, and self-development content.
  - Coordinate brand partnerships, negotiate contracts, and plan campaigns that collectively garnered **80 M+ views** and **11 M+ likes**.
  - Use editing tools (Adobe Premiere Pro, CapCut) and scripting to automate parts of the production workflow.

## Skills

- **Programming Languages:** Python, C++, C#, JavaScript (React/Node.js), SQL
- **Game & Simulation:** Unity, C# scripting, ROS, Gazebo
- **Web & Cloud:** React, Node.js, Express, MongoDB, AWS (EC2, RDS, S3), GitHub Actions
- **Dev Tools:** Git, Docker, VS Code, Xcode
- **Creative & Content:** Adobe Premiere Pro, CapCut, Figma
- **Languages:** Turkish (Native), English (Fluent), German (Upper-Intermediate)

## Interests

Entrepreneurship, drone technology, game development, finance & accounting, sports, volunteer work