

Rayan Alrouh

Al Danah, Abu Dhabi | +971 56 759 8297 | rayan.alrouh@outlook.com | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

PERSONAL INFORMATION

Available Immediately, Open to relocation

EDUCATION

KIRIKKALE UNIVERSITY

Kırıkkale, Tr

B.S Electrical and Electronics Engineering | Full Scholarship Recipient

Graduation Date: Feb 2021

WORK EXPERIENCE

Hsoub.com | United Kingdom

Remotely

Freelance Web Developer

Feb 2022 - Apr 2023

- Produced and edited 8+ hours of educational video content on programming concepts and frameworks like Flask, and Redis, and Rising main course hours by around 9%
- Delivered technical support to learners, ensuring seamless access and utilization of course materials, analyzed course efficacy, and implemented enhancements based on student feedback
- Stayed up-to-date with industry developments and trends to ensure course relevance and effectiveness

Yuce Medical Supplies

Urfa, Tr

Maintenance Engineer

Sep 2021 - Feb 2022

- Resolved a longstanding issue with two broken machines that the company had been unable to fix for two years, resulting in a cost savings of nearly \$5,000
- Maintained and troubleshoot Programmable Logic Controllers (PLC) and sensors utilized in medical equipment, including pressure and temperature sensors.

Net Electronic Tasarim

Istanbul, Tr

Circuit Design Intern

Jul 2019 - Aug 2019

- Performing 9 hours per day in the R&D section on Altium Designer to design and assemble circuits
- Designed an Arduino card from scratch using Altium software, implementing modifications and improvements for enhanced functionality

PROJECT EXPERIENCE

Hsoub

Remotely

Subscription-based Content Management

Aug 2022 - Oct 2022

- Undertaken Independently developed a Flask-based project utilizing technologies such as JavaScript, Bootstrap 5, and Stripe API. This broadened me to expand my knowledge of API integration and MVC architecture.

Kodluyoruz

Remotely

Portfolio website showcasing work for employee

Aug 2021 - Mar 2022

- Expanded my knowledge of React, handling components, and utilizing SOLID principles in a solo project. Employed technologies such as Firebase and Material-UI to achieve project goals.

Kırıkkale University | 4th year

kırıkkale, Tr

Self-Balancing Robot

Oct 2020 - Jan 2021

- Engineered a two-wheeled autonomous robot with advanced sensor-based control algorithms that maintained balance without external support and executed 5+ maneuvers without falling

Kırıkkale University | 4th year

kırıkkale, Tr

Healthcare Research Project

Feb 2019 - Jul 2019

- Investigated the application of deep learning techniques to accurately classify and identify abnormal heart sounds, potentially enhancing the accuracy and efficiency of cardiac diagnosis and care in future healthcare facilities.
- Expanded the scope of the research paper to incorporate IoT integration, which contributed to improved patient outcomes.

Kırıkkale University | 3rd year

kırıkkale, Tr

Sustainable Home Automation System (IoT)

Mar 2018 - May 2018

- Monitor temperature, humidity, and soil moisture levels to enhance energy and resource efficiency through the system's design.
- Optimized indoor energy consumption by automatically adjusting temperature and lighting based on real-time environmental conditions.

LEADERSHIP EXPERIENCE

Embark Project

Istanbul, Tr

Embark Fellow

Dec 2022 - Jun 2023

- Joined Embark Project 2022-2023 term as a fellow
- Completed Embark Academy training on business skills in partnership with the private sector in Turkey
- Collaborating with a group of fellows to address a challenge posed by prominent companies in Turkey through an ideation challenge

Re:Coded

Istanbul, Tr

Backend Web Development Bootcamp

Mar 2023 - Present

- Completing a 5-month immersive web development bootcamp, with 300+ hours of curricula and project-based learning
- Technologies: JavaScript, Node.js, Express.js, TypeScript, MySQL, MongoDB, Elasticsearch, Docker, Redis, AWS
- Collaborate with diverse teams to develop products for various industries

Kodluyoruz

Remotely

Volunteered as a Trainer assistant

Oct 2021 - Mar 2022

- Improved individual participant performance by providing personalized guidance during programming exercises, resulting in a 50% increase in successful task completion
- Enhanced student experience by incorporating various teaching methodologies and programming tools; received an 80% student satisfaction rating and achieved a 75% increase in enrollment

COURSEWORK

Coursera: [Neural Networks and Deep Learning](#), [Excel Skills for Business](#), [Technical Support Fundamentals](#)

SKILLS

Tools: Trello, Git

Interests: Football, Music, Physics

Languages: English (intermediate), Turkish (Fluent), Arabic (Native)

Industry Knowledge: Cx Programmer, ECTS, Altium Designer, Proteus, AutoCAD Electrical, Fusion 360

Programming Languages: Python, Flask, JavaScript, React, Node.js, MongoDB