

Rayan Alrouh

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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 Company | 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, Python, SQL, and scripting languages such as Bash, with a focus on Linux environments, and increased 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

PROJECTS

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.
- **Technologies:** Flask Framework, PostgreSQL, MVC Structure, Stripe payment for subscription, SQLAlchemy ORM, Bcrypt, CKEditor, LoginManager, Plotly

Kodluyoruz Community

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.
- Technologies: React, firebase, hooks, framer-motion, CSS3

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
- Technologies: Arduino, MPU6050, Step Motor, A4988 Motor Driver, HC-05 Bluetooth

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.
- Technologies: Telegram bot for controlling, Temperature and Humidity Sensor (DHT11), Soil Moisture Detection Sensor.

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 Community

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
- Technologies: React, React Native, Redux-Thunk, Redux-Saga, API Requests in React, Hooks, TypeScript, .NET, .NET Core.

COURSEWORK

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

Microsoft: [Developing Solutions for Microsoft Azure AZ-204](#)

SKILLS

Tools: Trello, Git, Notion

Interests: Football, Music, Physics

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