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   kirikkale, 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   kirikkale, 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   kirikkale, 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
- Technologies: JavaScript, Node.js, Express.js, TypeScript, MySQL, MongoDB, Elasticsearch, Docker, Redis, AWS

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)