ANWAR ROUMANEN

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EDUCATION

Bachelor of computer engineering - 2022-present (expected graduation: 2027)
Throughout my studies, I have gained a strong foundation in programming and engineering concepts through various courses, including Programming in C, Object-Oriented Programming with Java, Data Structures using C++, Software Engineering, Database Systems, Electronics and Circuit Analysis, Computer Architecture, and Digital Logic Systems. I am also learning Verilog HDL for hardware description and digital circuit design.

GPA: 80.9%

SKILLS

Technical skills:

- **Programming languages:** C, Java, JavaScript, Python
- **Web development:** HTML, CSS, DOM, API integration, Webpack, Node.js
- **Frontend & UI frameworks**: JavaFX, Bootstrap
- **Database management:** Oracle Database, SQL
- **E-commerce platforms:** Shopify
- **Hardware and digital systems:** Verilog HDL, circuit design and analysis, Hands-on experience with breadboarding.
- **Software concepts:** Object oriented programming, data structure, software engineering principles.

Soft skills:

- Problem solving and logical thinking
- Teamwork
- Time management
- Self-learning and adaptability

PROJECTS

- **Examination System:** A standalone desktop application for managing and taking exams, built using Java along with other supporting tools and technologies. Teachers can create and manage exams while students receive feedback and guidance.
- **Travel App**: A responsive web application that allows users to enter a travel destination and receive detailed trip information, including a location image and weather forecast. The app integrates three external APIs to deliver real-time data and enhance user experience.
- **NLP Web App** A Natural Language Processing web application that analyzes user-inputted text using an external NLP API.
- **Portfolio Website** A personal portfolio website showcasing projects, skills, and contact information, designed with clean UI and responsive layout.
- **+10 mini frontend projects** A collection of creative front-end mini projects focused on animations, interactivity, and UI/UX design.
- **Shopify-Based E-Commerce Store** Developed and managed an online store using Shopify. Customized the theme, uploaded and organized products, handled SEO, connected payment gateways, and launched social media campaigns to boost traffic and conversions.

CERTIFICATIONS

Front-End Web Development Nanodegree – *Udacity*
Gained hands-on experience in modern front-end development, including responsive design, JavaScript, APIs, Sass, and build tools like Webpack.

Machine Learning with AI – *Al-Raja International*
Learned core machine learning concepts using Python, covering libraries such as NumPy, Matplotlib, TensorFlow, and Scikit-learn to build and evaluate predictive models.

VOLUNTEERING

Head of Strategy – Handesha Sah Club
Co-founded a student-led engineering club aimed at empowering university students through tech education and hands-on activities.

- Lead the strategic planning of club activities.

- Work collaboratively with team members to expand the club's presence and foster a strong tech community on campus.

Electronics Workshop Instructor (Self-Initiated)
Independently designed and led introductory electronics sessions for children to enhance their STEM skills.

- Taught basic circuit theory, breadboard usage, and how to connect components like resistors, LEDs, BJT and capacitors.

- Helped young learners build simple working circuits and understand real-world applications of electronic components.

- Encouraged curiosity and hands-on learning in a fun, engaging environment.

LANGUAGES

- Arabic – Native

- English – Intermediate (B1)

- Turkish – Advanced (C1)