

Basel Al-Raoush

Software Engineering Student at BME - Budapest, Hungary

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SUMMARY

Software engineering student at BME with a passion for AI, ML, and efficient software solutions

EXPERIENCE

Software Engineering Intern: *Inspire for Solutions Development, Jordan* AUG 2024 **(2 Months)**

- Assisted in Agile software development and testing.
- Supported CI/CD pipeline improvements and bug fixes.
- Gained experience in Low-Code development and middleware integration.

EDUCATION

Computer Science Engineering

Budapest University of Technology and Economics - Bachelor's degree 2026

Industrial Engineering

Jordan University of Science and Technology - Bachelor's degree 2021

PROJECTS

Digit Recognition AI (AI / ML, Web Development) [Project Link](#)

Full-stack web app using MobileNetV2 CNN for digit recognition (95% accuracy). Built with Flask & HTML/CSS/JS.

Skills: Machine Learning, Flask, TensorFlow/Keras, Web Development, AI

Fake News Detector (AI / ML, NLP)

AI model for detecting fake news using NLP on Kaggle's 20,000-article dataset. Experimented with Logistic Regression (TF-IDF) and BERT for high accuracy.

Skills: Machine Learning, Python, NLP, Scikit-learn, BERT

Sentiment Analysis Web App (AI / ML, NLP, Web Development)

Real-time sentiment analysis of text/tweets using Streamlit and Hugging Face Transformers, offering an interactive web interface.

Skills: Python, Machine Learning, NLP, Streamlit, Hugging Face Transformers

Budget Tracker App (Android Mobile Development)

Mobile app for tracking expenses with Room database, RecyclerView-based analysis, and modern Android UI design.

Skills: Android, Kotlin, Room DB, UI Design, CI/CD

Other Projects:

Pipes in the Desert Game (Java), Expense Analysis Dashboard (Python), Movie Recommendation System (Java), OpenMetroMaps Contribution with BKK (Java), [Personal Portfolio Website \(Web Development\)](#).

SKILLS

Programming Languages: Python, Java, C++, C#, Kotlin, JavaScript.

Machine Learning and AI: TensorFlow/Keras, NLP, Scikit-learn, Hugging Face Transformers, Exploratory Data Analysis, Data preprocessing.

Web and Mobile Development: Flask, Android Development (Kotlin), Web Development (HTML5, CSS, JavaScript).

Databases: SQL, T-SQL, Oracle Database, MSSQL, MongoDB, Room Database.

DevOps and Tools: Continuous Integration and Continuous Delivery (CI/CD), Git (Version Control).

Software Engineering: Software Development Life Cycle (SDLC), Object-Oriented Programming (OOP), Algorithms.

Soft Skills: Problem-Solving, Critical Thinking, Communication, Teamwork, Time Management, Adaptability, Attention to Detail, Self-Motivation, Continuous Learning, Organization.

ACHIEVEMENTS

CISO Cybersecurity Course (09/2022 - 01/2023) | **100 Days of Code** (Python & Automation) (2023)