

Moneeb Ali Karrar

Computer Science Student, III Year

✉ moneebalikarrar@gmail.com

☎ +48 506 810 093

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Objective

My objective is to elevate my career as a Computer Science Student and leverage my robust technical skills and project management experience to enhance organizational growth and success. I am dedicated to pursuing continuous learning and skill development to achieve this goal.

Education (Pre-Graduate)

✓ Jan/2023 – Current (3rd year)

Active student in *Bachelor of Engineering* in

International Faculty Of Engineering (Computer Science)

Lodz university of technology, Poland

- CGPA: 4.65/5

✓ Oct/2022 – Jan/2023 (student Exchange)

Courses in *Bachelor of Engineering* in **Electronics and Telecommunication Engineering**

Bydgoszcz University of Technology, Poland

✓ 2021 – 2022

Courses in *Bachelor of Science* in **Electrical and Electronics Engineering**

Tokat Gaziosmanpasa University, Turkey

- CGPA: 94/100

✓ 2018 – 2020

Courses in *Bachelor of Science* in **Electrical and Electronic Engineering**

University of Khartoum, Sudan

- CGPA: 8.5/10.00

Programming Languages & Technical Skills

✓ BackEnd development:

Java, springBoot, Python, FastAPI, RESTFull API, JSON, spring security, JWT

✓ FrontEnd development:

HTML, CSS, JavaScript, TypeScript, Angular, React, Flutter, Bootstrap, jQuery

✓ DataBase:

SQL server, MySQL, PostgreSQL, Orange

✓ Operating systems:

Windows, Linux

✓ Distributed version control system: git

✓ Programming Languages:

C, C++, C#, Python, Java, JavaScript, TypeScript, Assembly, Matlab

✓ Embedded Systems & IoT:

IoT, Microcontroller Programming (Arduino, Texas Instruments, STM32)

✓ Agile Software Development: Scrum

General Computer Skills

- ✓ Microsoft Office
- ✓ Keyboard Fast Typing
- ✓ Cad

Projects & Experience

- ✓ **Software Engineering Intern**
Becker Mining Europe GmbH - Saarbrücken, Germany
April 2025 - July 2025 (current)

Completing a software engineering internship at Becker Mining Europe GmbH (April-July 2025) as part of the European Project Semester at HTW Saar. Working in a team to develop a software application for a data acquisition (DAQ) instrument used in temperature testing, focusing on configuration and measurement collection. Gaining practical experience in embedded systems, industrial instrumentation, and software development within an R&D environment.

- ✓ **No-Hate Foundation Website.**

Developed a full-stack web application for the No-Hate Foundation using **Spring Boot** and **React** to support their mission of helping the homeless. The project included building secure **RESTful APIs**, implementing user **authentication** with Spring Security and **JWT**, and creating a **responsive**, user-friendly interface. Followed agile methodologies and used Git for version control throughout the development process.

- ✓ **Educational Platform Using LLM.**

Developed a full-stack web application using Spring Boot and Angular, integrating a multilingual Large Language Model (LLM) specifically tailored for Polish language correction. The LLM functionality focused on detecting and correcting syntax and spelling mistakes. This project demonstrated expertise in back-end and front-end development, as well as advanced natural language processing (NLP) capabilities to support high-quality **text correction** across languages.

- ✓ **HealthConnect: Full-Stack Medical Care Services.**

Developed a **full-stack web application** named HealthConnect using **Java Spring Boot**, **PostgreSQL**, **Angular**, and **Bootstrap**. Implemented secure **authentication** and **authorization** with **Spring Security** and **JWT**, allowing patients to book appointments and view prescriptions, while enabling doctors to manage appointments and add prescriptions. The project ensured data privacy and security, significantly improving the user experience and operational efficiency.

- ✓ **EmployeeManager: Full-Stack Employee Management System.**

Developed a **full-stack web application** named EmployeeManager using **Java Spring Boot**, **Angular**, and **Bootstrap**. The application allows users to view, edit, search, and delete employee details. Utilized Spring Boot to create **RESTful APIs** for backend functionality and **Angular** for a dynamic, responsive frontend interface. Implemented efficient data management and **CRUD** operations to streamline employee administration processes, enhancing user experience.

✓ **Pacman Game: C++ and OOP with Qt Library.**

Developed a Pacman game using **C++** and Object-Oriented Programming (**OOP**) principles with the **Qt library** for the graphical user interface. Designed and implemented game mechanisms, including player movement, ghost AI, collision detection, and scoring system. Utilized Qt for rendering game graphics and handling user input. This project demonstrated strong programming skills, OOP design patterns, and proficiency in using Qt for GUI development.

✓ **Street Fighter Game: Python with Pygame Library.**

Developed a Street Fighter game using **Python** and the **Pygame** library. Designed and implemented game features such as player controls, animations, and collision detection. Utilized Pygame for rendering graphics, handling user inputs, and managing game states, creating an immersive and interactive gaming experience. This project showcased advanced programming skills, game development techniques, and proficiency in using Pygame for building **2D games**.

✓ **Cannibals and Missionaries Game: Python**

Developed a Cannibals and Missionaries game using **Python**. Designed and implemented game logic to solve the classic problem of safely transporting cannibals and missionaries across a river without violating constraints. Created an interactive user interface to visualize the game state and facilitate user interactions. This project demonstrated **problem-solving skills, algorithmic thinking**, and proficiency in Python for developing puzzle-based games.

Spoken Languages

- ✓ Arabic → Native
- ✓ English → Advanced (C1)
- ✓ Turkish → Advanced (C1)
- ✓ Polish → Beginner (A1)
- ✓ German → Beginner (A1)

Soft Skills

- ✓ Teamwork: I have great ability to collaborate, cooperate, and coordinate with other team members to achieve shared goals and objectives.
- ✓ Problem-solving: I can analyze complex data, identify issues, and come up with effective solutions.
- ✓ Attention to detail: I am typically thorough and meticulous in my work, ensuring accuracy and avoiding errors.