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GAL AMAR

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FREELANCE WORK

- **"Donkey And Friends"** : Designed and developed a coloring pages website using React, HTML, and CSS technologies, focusing on an intuitive user interface.

EDUCATION

Software Engineering B.Sc. **Braude College of Engineering** **2020-2024**

- GPA: 85.
- Coursework: Operating Systems; Databases; Algorithms & Data Structures; Programming Languages; OOP; Databases; Comp. Architecture.
- Object-Oriented Programming: very good understanding and practical application of design patterns and OOP principles, including polymorphism, inheritance, and abstraction.
- Parallel Programming: Knowledge of parallel programming techniques, Multithreading, and managing processes

Languages and Technologies

- C; Java; SQL; JavaScript (react); HTML; CSS; Shell; Linux.
- Visual Studio; Visual Studio Code; IntelliJ; Eclipse; GitHub; Visual Paradigm.

Projects

- **Capstone Project- "Safe Plane"** : Vacation Schedule Generation using ChatGPT API and React. creating an intuitive website using React, where users can effortlessly input their preferences and receive personalized vacation schedules generated with the aid of ChatGPT technology in the background.

- **Flower Shop – "Zerli"** : Developed a Java-based web application with a JavaFX GUI and CSS for a flower shop, utilizing client-server architecture and effective database management. This project enhanced my skills in teamwork, understanding client demands, translating them into project requirements, and planning projects from scratch using diagrams and timelines. It also exposed me to the agile methodology of Scrum, providing valuable experience in collaborative engineering work.

- **Advanced-Shell Project** : Developed Advanced-Shell in C, extending Linux shell functionality with seamless compatibility for standard commands, introducing Exam Management for creating/solving exams, and implementing an Automated Grading System for efficient answer checking and grade calculations.

ADDITIONAL EXPERIENCE AND AWARDS

- **2nd Place, Hackathon for the Elderly (2022):** Designed a device that allows a person with back issues, specifically elderly, to wear pants and underwear using an electric assisting device.