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## EDUCATION

**New Jersey Institute of Technology**

B.S. in Computer Science

Expected April 2025

**Anthony Robbins Global Youth Leadership Summit**

Leadership skills and teamwork

September 2015

## TECHNICAL SKILLS

- Data structure and algorithms: Java, Python, C++, C.
- Linux shell scripting
- Software engineering process
- Data Science: Python
- Artificial Intelligence (pursuing academically): LangChain, RAG
- Database design: MySQL
- Full stack: ReactJS, Flask.
- Fluent language: French.

## PROJECTS

*Image Processing (ANSI C).*

- The image can be rotated clockwise, rotated counterclockwise, flip vertically, flip horizontally.
- Method of compression implements a tree data structure with each internal node having four children. By descending one level from the root, the area is divided into four equal partitions, and each partition forms a child node. This subdivision procedure continues until a node contains only pixels of the same intensity.

*Online Dealership( ReactJs, Flask).*

- Customers can shop for their favorite cars and accessories, schedule test drives, service appointments, track their cars repair status, and view service reports.
- The dealership managers can add or remove cars from the website. Managers can create technicians' accounts and assign tasks to available technicians. Also, managers can manage customers appointments, and business reports.
- Technicians can see their assigned work and generate cars service reports.

*Ai bot (Discord, RAG, ChatCpt):*

- Users interact with the Ai bot using discord. The program uses vectorization to generate a prompt by combining users' questions with chunks of data from a book. The prompt is sent to ChatGPT, and the response appears on discord.