

Amal Alkhalil

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Objective

Seeking a Summer 2025 internship at John Deere to apply programming skills, particularly in Python and Java, and to gain hands-on experience in a professional setting.

Education

Iowa State University | Ames, IA

Bachelor of Science in Software Engineering

GPA: 2.76 | Expected Graduation: May'27

Professional Work Experience

Co-founder - Zuhoor's Scent | Ankeny, IA

Co-founded and managed small business | Sep'24 – Present

- Developed and refined bakhoor blends, incorporating customer feedback to perfect the product.
- Conducted direct sales and one-on-one marketing to gather insights for future expansion.
- Designed and managed the brand's online presence, including website production.
- Created pricing strategies based on market research and customer preferences.
- Built the foundation for a larger-scale launch by testing and improving products through personal sales.

Al Izza | Niamey, Niger

Management of Transport Data Intern | March'18 – April'18

- Conducted detailed observations of the customer ticket purchasing process, pinpointing areas for enhancement.
- Successfully identified and rectified inconsistencies in data reporting, ensuring accuracy and reliability.
- Took responsibility for inspecting buses and devised strategies to enhance overall customer service.

Technical Projects

Cat Detection and Automated Door System

- Built a cat detection system using OpenCV and Raspberry Pi.
- Enhanced the system into an automated door using sensors and actuators.

Small Robot Development (ongoing project)

- Designed 3D models using Shapr3D.
- Developed circuits and integrated them with a Raspberry Pi.
- Programmed functionalities using Python.

Relevant Skills

Development: C, Python

Platforms: Xcode, Cygwin, Shapr3D

Environments: MacOS, Windows, Linux

Languages: French (Native), Arabic (Native)

Activities

National Society of Black Engineers (NSBE), *Member* | Jan'25 – Present

Sales Engineering Club (SEC), *Member* | Jan'25 – Present

Wind Energy Student Organization (WESO), *Member* | Jan'25 – Present