

# **Yusuf Dirawi | Astoria, NY 11106**

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**Computer Engineering student proficient in Python and C++, with hands-on experience developing full-stack web applications using Flask and FastAPI. Skilled in HTML, CSS, and JavaScript, eager to apply problem-solving and software development skills to contribute to scalable web applications and backend systems through an internship.**

## **EDUCATION**

Bachelor of Engineering, Computer Engineering, The City College Of New York, June/2027

CGPA: 3.967

Associate of Science, Electrical Engineering, LaGuardia Community College, June/2024

CGPA: 3.965

## **RELEVANT COURSEWORK**

Data structures, Algorithms, Operating Systems, Software Engineering Laboratory, Computer Organization, Assembly language, Computer System Design Laboratory, Discrete Mathematics, Logic design, Digital integrated Circuits.

## **QUALIFICATIONS**

**Programming Languages:** Python, C++, JavaScript, HTML, CSS.

**Frameworks & Tools:** Flask, FastAPI, Git, GitHub, SQLite.

**Technical Skills:** Data Structures & Algorithms, REST API Development, Web Development, Data Analysis.

**Development Practices:** Problem Solving, Debugging, Version Control, Strong Communication, Team Collaboration.

**Languages:** Arabic.

## **PROJECTS**

### **ChefAI – AI-Powered Recipe Generator (Python, FastAPI, Flask, Vertex AI, HTML/CSS, JavaScript)**

- Developed backend APIs and integrated Vertex AI generative model for recipe generation.
- Built a responsive frontend and deployed the application online for interactive usage.
- Tested with 50+ sample recipe prompts to validate AI output and ensure consistency.

### **Task Tracker Web App – Flask, SQLite, Python, HTML/CSS:**

- Designed and developed a full-stack task management web app with user authentication, session handling.
- Created SQLite database tables to securely store user accounts and task data.
- Built clean, functional HTML/CSS templates for signup, login, and task dashboard pages.
- Implemented 5 key features for efficient task creation, editing, and progress monitoring.

### **Word-Based Game (C++):**

- Created console-based adventure game using OOP and modular design.
- Developed 10+ unique game scenarios with vectors, arrays, loops, and conditional logic.
- Organized multiple classes with separate header and implementation files.

### **Electronics / Hardware Projects – Digital Clock & Audio Transmission System**

- Constructed digital clock using counters, decoders, and 7-segment displays.
- Designed microphone-to-radio audio transmission system with amplification and modulation circuits.
- Applied digital logic and signal processing to ensure timing accuracy and clear audio output.

## **EXPERIENCE**

### **Independent Stock & Options Trader**

August/2021 – January/2023

- Researched and analyzed equities and options using Robinhood, Webull, and IBKR.
- Gained experience reading candlestick charts, tracking market indicators (MACD, RSI), and evaluating trends.

### **Driver/Chauffeur – Uber, Lyft, Private Clients New York, NY**

September/2017 – Present

- Demonstrated reliability and time management through over 10,000 trips with a 4.99/5 rating.

## **HONORS & AFFILIATIONS**

- Dean's List, 2022 – Present
- Gutman Transfer Scholarship Recipient, 2024 – Present
- Member, Phi Theta Kappa Honor Society, 2023 – Present