Pavel Jiofack Tsafack

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Summary

Computer science and engineering student with strong problem-solving, teamwork, technical troubleshooting, and tutoring experience. Skilled in Python, Java, SQL, and web development. Passionate about I, automation, and software engineering. Seeking internship opportunities to apply technical abilities and leadership.

Education

New Jersey Institute of Technology (NJIT) Newark, NJ
B.S. Computer Engineering Sept 2025 – Dec 2027

Essex County College Newark, NJ
.S. Computer Science GP : 3.67 Oct 2022 – May 2025
Graduated with High Honors
Relevant Coursework: Computer Science I (Python), Computer Science II (Java), Data Structures, Database Design, Software Engineering, Computer rchitecture, Operating System Calculus I, Calculus II, Physics I, Physics II

Technical Skills

Languages: HTML, CSS, Java, C++, Python, JavaScript
Databases: MySQL, PostgreSQL, SQL Server
I & utomation: n8n, I gents, Prompt Engineering, LLM Workflows, Mistral, OpenRouter
Data & Integration: REST PIs, JSON, Data Parsing, Data Transformation, Workflow utomation
nalytics: Business Intelligence, Competitive Intelligence, Market Trend nalysis, Dashboard Development
Concepts: Object-Oriented Programming, Data Structures, lgorithms, Web Development, I Basics

Experience

Extern — I gent Engineering for Business Intelligence Extern Jun 2026 – ug 2026
Wayfair Project

- Built four connected n8n I workflows for consumer trend discovery, competitor monitoring, content strategy, and market-intelligence reporting for Wayfair's Rugs category.
- Integrated and analyzed multi-source product and market data using PIs, JavaScript, JSON, LLM prompting, and automated HTML reporting to identify pricing, assortment, trend, and whitespace opportunities.
- Developed an interactive Market Intelligence Dashboard that consolidated I-generated insights into stakeholder-ready trends, risks, competitive comparisons, and recommended business actions.

Math Teaching ssistant Sept 2024 – Present
Essex County College Newark, NJ

- Tutor students in lgebra, Pre-Calculus, Calculus, and Statistics in both group and one-on-one settings.
- Reinforce conceptual understanding and analytical reasoning to increase academic performance.
- dapt teaching approaches based on student learning patterns and progress.

IT Specialist / Sales Floor Team Member May 2022 – Present
Target Hackensack, NJ

- Support hardware troubleshooting, device setup, inventory systems, and operational workflows.
- Train **10+** new staff members on tools, safety procedures, and performance expectations.
- Deliver strong customer service and collaborate across teams to maintain productivity.

Projects

I Image Prompt Generator Python, Pygame, Py utoGUI

- Created an interactive graphical tool that allows users to build high-quality I image prompts with customizable scene, character, lighting, and artistic style parameters.
- utomated ChatGPT prompt submission workflow using Py utoGUI + Clipboard control, reducing manual repetitive steps and improving workflow efficiency by **80%**.

Jarvis I — Real-Time Voice ssistant Python, Speech Recognition

- Built a real-time voice assistant with wake-word activation ("Jarvis") and **95%** speech transcription accuracy, allowing natural hands-free interaction.
- Optimized command processing to reduce response latency by **25%** and designed a modular skill framework for scalable automation and personal task assistance.

StudyFlow I — Full-Stack I Web pplication React, Node.js, MongoDB, Open I PI

- Built and deployed a production-ready I-powered student productivity platform serving personalized study planning, assignment tracking, and academic support using React, Express, MongoDB, and Open I.
- Integrated cloud-hosted databases, secure user authentication, and GPT-based I services while managing the complete software development lifecycle from design to deployment.

Leadership & Involvement

- Founding Member & Senator– National Society of Black Engineers (NSBE): Co-founded the first NSBE chapter at a community college; represented Essex County College at the 2025 NSBE National Convention in Chicago.
- President - I Club: Led a group of 10 members interested in machine learning and software development through Projet planning, weekly meeting, and team coordination to build python-base I image prompt generator with Pygame UI and utomated ChatGPT integration.
- Member - TECS Club: participate i the devlopment of a real-time speech-to-text virtual assistant(jarvis).
- Member - Phi Theta Kappa (PTK): Recognize for academic excellence and leadership involvement.
- Participant– Microsoft M365 Community Days NYC & Google Developer Group DevFest NYC.

Certification & Training

- Certificate — Web Design & Development (Cornell Online) - May 2024 – ug 2024
- Bloomberg Market Concepts Certification
- Introduction to Machine Learning Concepts (Microsoft Learn)
- Introduction to security, compliance, and identity concepts (Microsoft Learn)
- Introduction to Cloud Infrastructure: Describe cloud concepts, zure architecture and services and zure management and governancen (Microsoft Learn)

wards & Recognition

- Dean's Office cademic Honors — Essex County College (4 consecutive semester)
- EOF Graduate cademic ward (2025)
- Rover Robotics Competition — 2nd Place (Team of 4)

dditional Information

Languages: English, French