# Kenzy Khaled Tawfiq

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## SUMMARY

Third-year Computer Science student with practical experience in AI and mobile app development. Skilled in using modern tools and frameworks to build real-world solutions. Quick learner with proven problem-solving abilities and a passion for technology. Seeking opportunities to apply and grow technical knowledge.

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## EDUCATION

**Alexandria University | Faculty of Science (SIM)**                              (Sep 2022 – Present)
**B.S in Computer Science  (**Software industry and Multimedia department) , **CGPA**: 3.79/4.

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## EXPERIENCE

**Digital Egypt Pioneers Initiative internship (DEPI)**                    (Jul 2025 – Jan 2026)
- Selected for a competitive, fully-funded 6-month national program in Generative AI.
- Undergoing intensive training in Python, deep learning, generative models (e.g., GANs, LLMs), and freelancing skills.
- Building strong technical and soft skills to apply AI in real-world projects and freelance opportunities.

**NTI-Huawei Egyptian Talents Academy internship**                          ( Issued April 2025)
**(Creativa Innovation Hub)**
- Completed 80 hours of hands-on training in Artificial Intelligence.
- Covered key AI topics including machine learning, deep learning, data preprocessing, model evaluation, and real-world AI applications.
- Practiced building and training models using popular frameworks such as Python, TensorFlow, and scikit-learn.
- Collaborated with peers in a structured technical environment focused on innovation 🔗 **Certificate**

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## PROJECTS

**Knuth-Morris-Pratt (KMP) algorithm**                                    (3rd Year, College Project)
Implemented the KMP string-matching algorithm in Python with **O(n + m) linear-time complexity** (compared to the naïve O(n*m) approach), **optimizing the prefix (LPS) table** for performance, validating on datasets up to 1 million characters, as part of the Algorithms course in the 3rd year of Computer Science studies.

**Pets App – UI/UX Design Project**                                       (3rd Year, College Project)
Designed a mobile application for pet owners on figma with a seamless, user-friendly experience by applying UI/UX best practices, featuring pet profiles, health tracking, scheduling reminders, and in-app pet supplies ordering to combine functionality with visual appeal. 🔗 **Behance link**

**Cross-Platform Mobile App Development with Flutter**                     (3rd Year, College Project)
Developed a cross-platform mobile application using Flutter and Dart as part of the 3rd year Mobile Application course, featuring user authentication, profile customization, content exploration, and bookmarking, with RESTful API integration for motivational quotes, secure session management, and state management via Provider with persistent storage using SharedPreferences 🔗**Cross-platfom app** .

**Music and Podcast website**                                            (2nd Year, College Project)
Developed a Spotify-inspired music and podcast web application using HTML, CSS, and JavaScript, featuring music playback, podcast streaming, and customizable user profiles to deliver a dynamic and interactive user experience, as part of the Web Development course in the 2nd year of Computer Science Studies 🔗 **Music and Podcast Website** .

# CERTIFICATIONS

**HCIA-AI V3.5, Huawei Talent Online – *AI*** *( Issued Apr 2025 )*
 *(Huawei Certified ICT Associate)*
- *Successfully completed the official Huawei AI training and passed the final assessment.*
- *Covered AI foundations, machine learning, deep learning, and real-world applications using Huawei's frameworks and tools.* **Certificate**

***SkillsBuild Digital Training Program – Cybersecurity Track*** *( Issued Dec2024 )*
 *( IBM SkillsBuild)*
 ***International Labour Organization (ILO), and EFE Egypt***
- *Completed the **IBM SkillsBuild Cybersecurity Track**, covering core concepts such as network security, identity management, threat analysis, and risk mitigation.*
- *Gained hands-on experience with cybersecurity tools and practices, focusing on secure systems, data protection, and real-world case studies.* **Certificate**

***Cisco Networking Academy – CCNAv7 Training*** *( Issued Oct 2024 )*
 *(Cisco Networking Academy, Skills Plus Egypt)*
- *Introduction to Networks, Switching & Routing, and Enterprise Networking, Security & Automation* **Certificate**
- *Built a strong foundation in networking, including IP addressing, Ethernet, VLANs, OSPFv2, IPv4/IPv6 routing, ACL-based security, NAT, WLANs, WAN scalability, QoS, and exposure to SDN, virtualization, and automation.* **Certificate**
- *Hands-on practice in configuring, securing, and troubleshooting modern network infrastructures.* **Certificate**

**Diploma in Programming (Java and Python)** *( Issued Dec 2023 )*
 **(American Board of Professional Studies )**
 Successfully completed a 70-hour intensive training program in Java and Python, earning certification for meeting professional standards. **Certificate**

# SKILLS

- **Programming Languages & Frameworks** : Python, Java,, C++, HTML, CSS, Object-Oriented Programming(OOP),Flutter (Dart)
- **Data Science & AI Libraries:** NumPy, Pandas,scikit-learn,Matplotlib,seaborn, PyTorch,Tensorflow
- **Tools & Platforms:** Figma, Firebase
- **Databases:** SQL (MySQL), NoSQL (MongoDB)
- **Communication & interpersonal:** Problem solving **ecpc certificate** ,Critical Thinking,teamwork and effective communication.