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|  | | |  | Patrick  Kipkoech Cheruiyot |
| Profile I am a motivated and responsible Computer Scientist with a passion for using technology to solve real-world problems. My experience in developing software systems and web applications using Python and other technologies has honed my analytical and problem-solving skills. I thrive in a team environment and contribute effectively while also being capable of working independently under minimal supervision. With excellent communication skills and a positive, adaptable attitude, I embrace new ideas and prioritize tasks efficiently to deliver successful outcomes.  Education  Karatina University, Nyeri.   * Bachelor of Science in Computer Science * 2019 – 2023   Kabianga School, Kericho.   * Kenya Certificate of secondary Education * 2015 – 2018  My Projects **1. County Government Tender System**  Developed a software system using object-oriented programming in Python for a County Government Tender system and the primary objective of this project was to create an efficient and transparent system for tender allocation within a County Government.  Designed and implemented the system to capture all necessary tender information and store it in a database for admin verification. Leveraging object-oriented programming (OOP) concepts in Python, I developed a user-friendly software system that allowed users to input and manage tender information easily. The system was designed to handle multiple tender fields and securely store the data in a MySQL database.  Technologies used: Python, OOP paradigm, MySQL.  Achievements: Successfully created a functional system that streamlined the tender allocation process, improving efficiency and transparency.  **2. Web Scraping for Educational Purposes**  As part of my final year project, I conducted web scraping with the goal of gathering valuable educational data from various websites. The objective was to create a web scraping tool that could extract relevant information for educational research and data analysis.  Implementation: Utilizing the powerful Beautiful Soup framework in Python, I designed and implemented a web scraping tool capable of navigating through different websites' HTML structures. The tool effectively scraped and extracted specific data points related to educational content and resources.  Technologies used: Python, Beautiful Soup, MySQL  Achievements: The successful completion of the web scraping project yielded a valuable tool for educational research and data analysis. By efficiently gathering information from diverse online sources, the web scraping tool empowered researchers, educators, and decision-makers with a wealth of relevant data.  **3. Learning Management System (LMS) for a Primary School**  The aim of this ongoing project is to develop a comprehensive Learning Management System (LMS) tailored specifically for a primary school environment. The LMS will serve as a digital platform to enhance the learning experience for both students and teachers.  Features: The LMS encompasses various modules, including student profiles, teacher accounts, course management, and categorized learning materials. The system will allow teachers to create and manage courses, assignments, and assessments, while students can access course content, submit assignments, and track their progress.  Technologies used: Utilized Python and the Visual Studio environment for development, and managed the project using GitHub.  Anticipated Achievements: By successfully implementing this LMS, I envision transforming the traditional learning methods and fostering a more engaging and efficient educational process. The LMS will empower teachers with data-driven insights to tailor their teaching methods, resulting in improved student performance and overall academic outcomes.  **Certification courses**  Docker Certification (KodeKloud):  Completed a comprehensive Docker certification course on KodeKloud, covering containerization, Docker image management, orchestration, and best practices. Developed a strong understanding of containerization technology and its practical applications in modern software development.  Python Certification (KodeKloud):  Successfully completed a Python certification course on KodeKloud, focusing on Python programming fundamentals, data manipulation, web development, and automation. Proficient in Python scripting and its use in various software development tasks. Links **GitHub –** [**https://github.com/koskei-kipkoech**](https://github.com/koskei-kipkoech)  **Twitter –** [**https://twitter.com/patrickkip22**](https://twitter.com/patrickkip22)  **LinkedIn -** [**https://www.linkedin.com/in/patrick-kipkoech**](https://www.linkedin.com/in/patrick-kipkoech) |
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|  |  | +254758306675 |
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|  |  | [patrickwayy@gmail.com](mailto:patrickwayy@gmail.com) |
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