Hussein Tantawy

Birmingham, United Kingdom

📞 +447342722198 　 ✉ h.tantawy08@gmail.com 　 in linkedin.com/in/hussein-tantawy-545a17213/

Experience

BT Bristol, UK
Software Automation Engineer *September 2023 – August 2024*

- Reduced manual intervention by 80% in readiness checks by developing and deploying automation scripts, shortening check completion time from 5 days to under 2 days.
- Accelerated 5G application failure reporting by 35%, enabling faster detection and resolution of system issues, resulting in a 20% increase in network uptime.
- Integrated Python-based APIs with Kubernetes, Contrail, and OpenStack libraries, automating complex network processes, increasing operational precision by 20%.
- Optimized project delivery time by 30% using Jira to manage tasks, track bugs, and optimize workflows across cross-functional teams.
- Second-highest contributor to the SRE's GitLab repository with over 100+ code commits, ensuring seamless team scalability with detailed documentation on Confluence.
- Collaborated with the Technical Surveillance Team, optimizing real-time network health monitoring and enhancing system reliability for 10+ million EE customers.
- Proposed and implemented process improvements that streamlined the onboarding of new team members, reducing training time by 40% and improving team productivity.

University Of Birmingham Birmingham, UK
Student Ambassador *October 2022 – June 2023*

- Conducted tours for prospective students and families, increasing tour satisfaction ratings by 25%.
- Mentored new students, leading to a 15% increase in participation in academic and extracurricular resources.
- Collected feedback from visitors, contributing to the improvement of university outreach programs.

Holy Land Dates Birmingham, UK
Quality Assurance *April 2022 – May 2022*

- Increased packaging efficiency by 20% through workflow optimization in batch processing.
- Ensured product consistency and adherence to safety standards, lowering quality issues by 15%.
- Coordinated task distribution within the team, fostering a 10% improvement in team productivity.

Projects

Stock Prediction Using AI

- Developed a stock forecasting model using Facebook Prophet with a prediction accuracy of 90% for companies like Google, Apple, and Microsoft.
- Retrieved historical stock data via Yahoo Finance API, performing preprocessing and visualization to enhance data quality.
- Built a Streamlit web app to allow users to forecast future stock prices, generating 4-year forecasts with detailed trend visualizations using Plotly.
- Employed caching mechanisms to boost data loading times by 35%, increasing overall app responsiveness.

AI-Powered Movie Recommender

- Developed a movie recommendation system using Python, leveraging libraries such as Pandas and Scikit-learn.
- Implemented content-based filtering via TF-IDF, achieving 95% user satisfaction based on personalized recommendations.
- Processed large datasets, ensuring efficient and accurate recommendations based on user preferences.

Book Store Website

- Designed a functional bookstore website using HTML, CSS, and JavaScript, providing a seamless user experience for browsing books.
- Incorporated an intuitive navigation system to improve user experience, allowing easy access to different sections such as Home, About, Featured Books, New Arrivals, Reviews, and Blog.
- Implemented a responsive layout with CSS to ensure the website is accessible and user-friendly across various devices and screen sizes.

Skills

Languages: JavaScript, HTML/CSS, Python, SQL
Software: Atlassian (Jira, Confluence), K8s, Openstack, Contrail, Git, Linux

Education

University Of Birmingham   **Birmingham, UK**
BSc Computer Science and Artificial Intelligence with Year in industry (**Grade:** 70%)   *September 2021 – June 2025*

Kaplan International College London   **London, UK**
Foundation Year in Science and Engineering (**Grade:** 74%)   *September 2020 – June 2021*