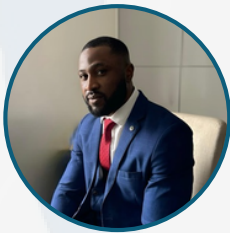


4th INTERNATIONAL CONFERENCE ON
AI ML, DATA SCIENCE AND
ROBOTICS

NOVEMBER 28-29 | PORTO, PORTUGAL



Alain Claude Bah Esseme

Nexus Cloud Technologies, UK

Enhancing Project Management with AI: Efficiency, Decision-Making, and Risk Management

Abstract: The advent of artificial intelligence (AI) in project management signals a paradigm shift in the conception, execution, and monitoring of projects. Integrating AI, especially Generative AI (GenAI) and machine learning (ML), enables project teams to tackle inherent challenges such as resource allocation, process optimisation, and predictive risk management. AI-driven tools offer transformative capabilities by automating routine tasks, assisting decision-making, and augmenting strategic planning. This shift is highlighted by the increasing use of AI to perform detailed analyses of historical data, generate actionable insights, and enhance process monitoring for proactive project management.

GenAI applications stand out for their ability to streamline complex tasks such as cost estimation and risk analysis by processing vast datasets and identifying potential project bottlenecks. Project managers can thus move beyond traditional methods, adopting AI tools that facilitate continuous process enhancement and agile responses to evolving project demands. However, while automation supports efficiency, human expertise remains crucial for tasks that require nuanced decision-making.

Despite significant progress, challenges such as data integration and model adaptability persist. Organisations must adopt a task-centric approach, breaking down project work into granular automatable units that align with AI capabilities. This strategic alignment ensures AI becomes an integral part of project ecosystems, leading to enhanced productivity, better risk management, and informed decision-making. Embracing this AI-augmented model equips project professionals with tools to drive successful project outcomes, while adapting to the dynamic demands of modern project landscapes.

12

4th INTERNATIONAL CONFERENCE ON
AI ML, DATA SCIENCE AND
ROBOTICS

NOVEMBER 28-29 | PORTO, PORTUGAL

Biography: Alain Claude Bah Esseme is a distinguished Developer, Architect, and academic contributor with a robust history of authoring and reviewing esteemed journals. His expertise in optimising business processes using Salesforce CRM and versatile web frameworks such as Angular, React, and Node.js positioned him as a leader in the field. As a seasoned speaker at top industry conferences, Alain shares transformative insights into digital innovation and the future of the technology. His professional journey, which began in medicine, transitioned into technology, where he profoundly impacted the operational efficiencies of numerous organisations by developing high-engagement web applications and automation solutions.

As a co-founder of PathwayToSalesforce.com and an active contributor through his blog and published research, Alain empowers aspiring technology professionals through mentorship and tailored training programs. His technical prowess spans JavaScript, Java, HTML, APEX, and Salesforce CRM, fostering strong customer relationships, and enhancing business outcomes. Beyond his technical achievements, Alain's volunteer work and commitment to under-resourced communities reflect his dedication to social responsibility and blending professional excellence with meaningful community contributions.