

King Mcdaniel

Generative AI Automation Engineer

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SUMMARY

Dynamic AI Automation Engineer with over five years of experience in developing and implementing advanced automation solutions. Expertise includes leveraging Generative AI technologies to enhance operational efficiency and drive innovation across various business processes. Proven record of effective collaboration with cross-functional teams to optimize automation workflows, ensuring reliable performance and alignment with organizational goals. Eager to apply strong analytical and problem-solving skills while staying updated on the latest advancements in AI and automation. Committed to fostering a culture of continuous improvement and delivering impactful AI-driven solutions.

EXPERIENCE

Generative AI Engineer

Innovative Tech Solutions 📅 January 2022 - Present 📍 Chicago, IL

In this role, developed and implemented Generative AI models focused on automating business processes, significantly boosting efficiency. Collaborated closely with IT and software development teams to integrate AI-powered solutions within existing frameworks. Worked on data preprocessing and analysis to ensure model accuracy, resulting in sustainable compliance with privacy regulations. Produced high-quality documentation for technical designs, contributing to knowledge sharing across teams.

- Designed and developed Generative AI models for business process automation, achieving significant efficiency gains.
- Collaborated with multidisciplinary teams to embed AI-driven solutions into existing enterprise systems, resulting in streamlined operations.
- Performed thorough analysis of large datasets essential for training accurate AI models while maintaining strict compliance with data protection standards.
- Created clear documentation around technical designs which facilitated better understanding among cross-functional teams.

Machine Learning Specialist

NextGen Automation 📅 September 2018 - December 2021 📍 Peoria, IL

Focused on developing machine learning algorithms to improve automation tools used throughout the organization. Achieved measurable improvements in productivity through the implementation of innovative AI approaches. Partnered with various departments to maintain seamless integration of automated solutions, ensuring optimal performance of deployed models. Actively engaged in researching emerging AI technologies to refine solutions continuously.

- Developed and deployed machine learning algorithms aimed at enhancing automation applications for several departments.
- Conducted extensive research on current AI advancements, integrating novel solutions that improved overall productivity.
- Collaborated closely with IT personnel to guarantee smooth integration of AI models into operational workflows.
- Championed initiatives that fostered a deep commitment towards continual improvement and learning within the team.

Automation Intern

SmartTech Innovations 📅 June 2016 - August 2018 📍 Champaign, IL

Assisted senior engineers in designing automation scripts targeted at optimizing repetitive tasks effectively. Participated in various projects involving data analysis and preparation crucial for machine learning models. Utilized skills in coding and analysis to support different phases of project lifecycles.

- Contributed to the design and implementation of automation scripts aimed at simplifying routine tasks.
- Supported the team with data preprocessing and training of machine learning models across multiple projects.
- Engaged in brainstorming sessions to provide input on potential improvements to current workflows.
- Learned essential industry practices and honed relevant technical skills during internship tenure.

LEADERSHIP & AWARDS

- Certified Machine Learning Professional (2020)
- AWS Certified Solutions Architect (2021)

EDUCATION

Bachelor's Degree in Computer Science

University of Illinois 🎓 GPA: 3.5 📅 2016 📍 Champaign, IL

Coursework: Software Development, Data Structures, Algorithms, Machine Learning

CERTIFICATIONS

- Certified Machine Learning Professional 📅 2020

- AWS Certified Solutions Architect 📅 2021

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++
- **Automation Tools:** RPA, Docker, Kubernetes
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **AI Frameworks:** TensorFlow, PyTorch, Hugging Face
- **Machine Learning Methods:** Supervised Learning, Unsupervised Learning, Reinforcement Learning
- **Data Management:** ETL, SQL, NoSQL
- **DevOps Practices:** Continuous Integration, Continuous Deployment
- **APIs:** RESTful APIs, OpenAI, Google AI
- **Model Evaluation Techniques:** Confusion Matrix, ROC, Cross-validation
- **Collaboration Tools:** JIRA, Confluence, Slack

SKILLS

- Python
- TensorFlow
- PyTorch
- Hugging Face
- RPA
- Docker
- Kubernetes
- AWS
- Azure
- MLOps
- API Development
- Problem Solving
- Data Analysis
- Communication
- Teamwork
- Process Automation

PROFESSIONAL AFFILIATIONS

- Member of the Artificial Intelligence Society
- Active Volunteer at Local Tech Meetups

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST