Ashley Johnson

Bullard, TX 75757

ajohnson699@my.devry.edu | 409-332-5678

Engineering Technology | Machine Learning | AI | SAP Administration

Summary of Qualifications

- Motivated and adaptable engineering professional with expertise in engineering technology, machine learning, AI algorithms, and SAP administration
- Strong analytical and technical skills in data-driven decision-making, automation, and system optimization
- Proficient in designing, implementing, and improving engineering models, ERP systems, and AI-based solutions
- Hands-on experience with SAP, Python, Visual Basic, and CAD tools for process optimization and automation

Core Competencies

Machine Learning & AI Algorithms | Automation & System Optimization | SAP ERP & SAP S/4HANA | IoT & Embedded Systems (Arduino, TinkerCAD) | Engineering Design & Simulation (CAD, Katapult) | Data Entry, Analysis & Database Management (SQL, Visual Basic) | Process Improvement & Quality Assurance

Technical Skills

- Languages: Python, SQL, Visual Basic, VBA
- Machine Learning: AI Model Training, Data Preprocessing, Feature Engineering
- Embedded Systems: Arduino, TinkerCAD, Circuit Design
- Engineering & Technology:
- ERP & SAP Systems: SAP, SAP S/4HANA, Katapult Engineering
- Design & CAD Software: AutoCAD (Light experience), VersaForms
- Data Management & Analysis: Microsoft Excel (Advanced), SQL Databases
- Operating Systems & Software: Linux & Windows Administration
- Microsoft Office Suite (Excel, Word, PowerPoint, Visio)
- Adobe Creative Suite (Illustrator, Photoshop, InDesign – for technical reports & documentation)

Professional Experience

Atlantic Engineering (Remote)

Engineering Design Coordinator (Project Ending-Merger)   August 2024-Jan 2025

- Oversee the preparation and submission of MRE packets to utility companies/agencies, ensuring adherence to requirements and feedback.
- Coordinate with internal teams and external agencies to gather MRE data, address redline issues and maintain relationships with utility companies.
- Develop and manage timelines, schedules, and tasks for MRE packet completion from start to finish.
- Track project status and deliverables, providing regular reports to Project Management on variances and project progress.
- Utilize tools such as ArcGIS, AutoCAD, MS Excel, and Google Sheets to manage and update multiple trackers across platforms.

Techserv Engineering and Consulting   Tyler, TX

Engineering Designer, QAQC (internship role)   July 2023 – August 2024

- Developed engineering models for pole loading, stress analysis, and clearance-based designs
- Implemented machine learning algorithms to analyze engineering reports and optimize designs
- Assisted in site evaluations, report preparation, and design documentation for client projects
- Utilized engineering software to ensure compliance with NESC procedures

- Conducted quality assurance (QA/QC) for engineering models and data validation

Carlisle Construction Materials (CCM)   Tyler, TX
Construction Materials Coordinator - Order Management Specialist   March 2022 – June 2023
- Managed SAP ERP system for order processing, production scheduling, and inventory management
- Worked with SAP S/4HANA to streamline supply chain operations
- Analyzed data trends to improve process optimization and production efficiency

AVTT   (Remote)
Marketing/Copywriting/Office Assistant   June 2020 – March 2022
- Maintained and updated databases and engineering project documentation using Salesforce & ERP tools
- Assisted in data collection and analysis for AI-driven marketing optimizations

Education
DeVry University   Remote
Associate of Applied Science in Engineering Technology   *In Process*
Specialization: Machine Learning & Design Techniques   GPA: 4.0/4.0
Relevant Coursework: AI-Driven Business Application Coding, Introduction to Digital Devices, Introduction to Programming, Fundamentals of Information System Security, Automation and Control, Introduction to Technology and Information Systems, Introduction to Operating Systems, Computer-Aided Design, Electronic Device and System Foundation, Introduction to Cloud Computing, Fundamentals of Information Technology and Networking

Undergraduate Certificate in Engineering Technology   *In Process*
Specialization: Machine Learning and Design Techniques   GPA: 4.0/4.0

Lamar University   Beaumont, TX
Bachelor of Science in Graphic Design   December 2013
Minor: Management Information Systems

Certifications & Training
- SAP ERP & SAP S/4HANA Administration
- Python for Data Science & Machine Learning
- AI & Machine Learning Fundamentals
- IoT & Embedded Systems (Arduino, TinkerCAD)
- Visual Basic for Applications (VBA) in Engineering

Projects & Research
AI-Powered Engineering Model Optimization
Developed machine learning models to analyze and improve engineering designs.
Used Python, SQL, and SAP ERP integration to enhance predictive maintenance strategies.

SAP-Integrated Inventory Optimization
Created SAP ERP dashboards to improve order management efficiency.
Conducted trend analysis for better supply chain decision-making.

Engineering Technology Portfolio: https://ajohnson6991.wixsite.com/my-site-1
https://www.linkedin.com/in/ashleyjohnson87/details/ projects/

Professional Development & Associations
- IEEE (Institute of Electrical and Electronics Engineers) – Student Member
- SAP Users Group – ERP & AI Specialization
- National Society of Leadership and Success – Member (Since October 2024)