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| **Coleman M. Oates**  coleman.oates@outlook.com | (615) 306-9990 | www.linkedin.com/in/coleman-oates4 | |
| **EDUCATION** | **Bachelor of Science in Computer Science,** The University of Tennessee-Knoxville (2023-2025)  **Transferred from:** Lipscomb University, Nashville, TN (2021-2023) |
| **PROJECTS** |  |
| *Senior Design* | **GenAI For Future Retail,** Capgemini  *Goal:* Develop a GenAI retail solution with Capgemini to enable personalized, real-time assistance across in-store and online experiences.  *Value:* Advancing the future of customer interaction by enabling personalized, real-time assistance in both physical and digital shopping environments.  *My Contribution:*   * Integrated **React** components with backend services to support dynamic chatbot interfaces and retail workflows. * Configured **AWS services** including **Lex**, **OpenSearch**, and **S3** to support conversational AI, data indexing, and cloud-based asset storage. |
| *Machine Learning* | **Athlete Injury Risk Prediction**  *Goal:* Predict injury risk in athletes using supervised machine learning models  *Value:* Help athletes and coaches make data-driven decisions to reduce injury risk based on training and wellness patterns.  *My Contribution:*   * Cleaned and preprocessed athlete wellness and training datasets to ensure quality inputs for modeling. * Developed and evaluated classification models (**Decision Tree, Random Forest, K-Nearest Neighbors**) to predict injury risk. |
| *Inpatient Dashboard* | **Hospital Inpatient Analytics Dashboard – Personal Project**  *Power BI · DAX · Data Cleaning · Healthcare Analytics*   * Built a multi-page Power BI dashboard analyzing hospital inpatient data by diagnosis, patient demographics, insurance type, and region. * Used DAX to calculate key metrics like average cost, length of stay, and discharge trends. * Highlighted disparities and cost drivers to inform decision making and improve care delivery analysis. |
| **WORK**  **EXPERIENCE** | **Cedar City Brewing Company** | *Lebanon, TN* | May-Aug, 2023 ; May-Aug, 2024  **Food Runner / Tap Room Manager**   * Delivered food orders promptly to customers, ensuring accurate and friendly services * Oversaw stocking and inventory of tap room kegs * Maintained a clean and welcoming environment assisting with overall cleanliness |
| **RELEVANT**  **COURSEWORK** | Computer Engineering · Software Security · Deep Learning · Operating Systems · Software Engineering · Data Structures & Algorithms · Theory of Statistics |
| **CERTIFICATIONS** |  |
| *Data Analyst* | **In Progress:**  *Microsoft Power BI Data Analyst*   * Expected Summer 2025   *Oracle Data Analytics Certification*   * Expected Summer 2025 |
| **TECHNICAL EXPERIENCE** | **Languages:** C#, C++, SQL, JavaScript, Python  **Operating Environments:** MS Windows, Linux  **Business Tools:** Visual Studio,Microsoft Office Suite, Microsoft PowerApps, VMware, Power BI, Microsoft Excel, PowerShell, AWS Services, Git |
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