

# Amir Akins

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## SKILLS

Python, Pandas, NumPy, Scikit-learn, Survival Analysis, EDA, KPI Development, SQL, PostgreSQL, SQLite, Schema Design, ETL Pipelines, Data Validation, Excel, Power BI, Tableau, Matplotlib, Seaborn

## PROJECTS

### Data Analyst Project – Clinical Survival Analysis – [Link](#)

- **Pipeline Development:** Engineered an automated Python ETL pipeline to ingest and clean UCI lung cancer datasets, achieving 100% record normalization.
- **Database Architecture:** Designed a relational SQL database with advanced constraints to enforce clinical data integrity and standards.
- **Advanced Visualization:** Developed a Power BI dashboard utilizing DAX to calculate real-time Mortality Rates and survival trends for pathological classifications

## EXPERIENCE

### Computer Science Teacher – Dubois Integrity Academy

August 2024 – Present

- Engineered a student-tracking system to analyze assessment data and implemented data-driven interventions that increased academic outcomes by 25%.
- Led the Robotics Team to their first super-regional.

### Robotics & Coding Instructor – STREM HQ Tech Academy

September 2023 – May 2024

- Improved retention by 40% using user-centric design and iterative development.
- Coordinated hands-on workshops, enhancing 200+ students' ability to build and program.

### Back Of House Manager – Chick-fil-A

April 2022 – September 2023

- Conducted analysis of food preparation workflows, implementing process refinements that increased kitchen operational efficiency by 20%.
- Oversaw kitchen workflow processing 500+ orders daily with zero-defect quality control.

### Advanced Repair Agent – Geek Squad

August 2021 – April 2022

- Maintained high-integrity technical logs and metadata for all repairs, ensuring accurate documentation in the centralized service database.
- Performed diagnostics on 50+ unique hardware/software systems weekly.

### Sorter – Amazon

October 2020 – October 2021

- Managed high-volume data routing, processing over 10,000 units monthly to ensure continuous supply chain flow.
- Monitored real-time conveyor performance data; identified and resolved mechanical/software "downtime" events to maintain a 25% increase in order preparation efficiency.

### Assistant Manager – Moe's Southwest Grill

August 2017 – September 2020

- Inventory & Resource Analytics: Managed inventory datasets and labor scheduling, utilizing demand forecasting to optimize staff allocation and food waste reduction.
- Led a team to exceed operational KPIs, resulting in a 15% increase in customer satisfaction scores through data-informed leadership.

## EDUCATION

**Mercer University** – Bachelor of Science, Software Application Development & Human-Computer Interactions