Steven Gobran

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EDUCATION

Middle Tennessee State University — Murfreesboro, TN
Bachelor of Science, Computer Science; — *Expected Dec 2026*
Minor: Data Science, Mathematics. Honors Program; GPA: 3.71/4.00.
Relevant Coursework: Data Structures & Algorithms, Computer Systems, Software Development, Database Management, Programming Languages, Data Science, Applied Predictive Modeling, Data Analysis, Feature Engineering, Calculus I - III

EXPERIENCE

Transformation & Analytics Intern — May 2026 – Present
Schneider Electric — *Nashville, TN*

- Built scheduled Databricks pipelines in PySpark and Spark SQL enriching 1.3M+ Redshift order records, validating row counts and order value at every stage to guarantee no duplication downstream in Tableau
- Built predictive Python pipelines forecasting headcount demand and utilization for a 100+ person CMO across 16 managers
- Traced a 52K-record gap to an upstream status filter by querying information_schema across every warehouse schema; drove eight fields upstream, eliminating two joins and retiring a redundant table
- Engineering an SFTP-to-MES integration running every 30 minutes: Oracle CSV ingestion, SharePoint cross-reference enrichment, deduplication by window ranking, and automated alerts when operator mappings are missing

AI Data Engineer (Contract) — Apr 2026 – Present
Handshake AI — *Nashville, TN*

- Evaluated, tested, and audited LLM outputs for correctness, reasoning quality, and formatting across coding and analytical tasks; collaborated with enterprise clients to train and improve LLMs across software development
- Performed failure-mode analysis on AI-generated solutions, documenting recurring error patterns to improve performance
- Contributed to large-scale JavaScript repositories using Git and Docker, working within CI/CD pipelines that enforced code quality through automated testing with Jasmine, Jest, Mocha, and Vitest prior to production deployment.

AI Engineering Fellow — Jan 2026 – Apr 2026
CodePath — *Nashville, TN*

- Debugged and refactored Python systems using structured reasoning, systematic testing, and Git-based version control to ensure correctness, maintainability, and responsible AI-assisted development practices
- Built ML evaluations, RAG pipelines, and agentic workflows with guardrails, failure-mode analysis, and risk-aware testing

Data Engineering & Performance Intern — Jun 2025 – Aug 2025
Silicon Ranch Corporation — *Nashville, TN*

- Analyzed performance data across 100+ solar sites using GPM Plus, SEEQ Data Labs, and Jupyter Notebook to generate reports on energy loss, inverter health, and maintenance trends
- Built Python-based data pipelines and CLI tools (Pandas, Matplotlib, SEEQ API) to extract, process, and visualize 11+ years of solar performance data (600K+ points/site), improving processing efficiency by 33%
- Developed an automated monitoring system for 21 solar sites to detect inverter faults and overheating, generating scheduled reports and alerts for engineering teams

Technical Coding Instructor — Nov 2024 – Mar 2025
iCode — *Franklin, TN*

- Delivered advanced courses in Python, C++, robotics, and Unreal Engine game development and mentoring students in Software Dev

PROJECTS

GSC NAM ETO Lakehouse - *Databricks, Amazon Redshift, AWS S3, PySpark, SQL, Python, Tableau*

- Built an end-to-end lakehouse pipeline generating synthetic ETO order data into AWS S3, refined through Databricks bronze/silver/gold Delta tables in PySpark and SQL, then served to Amazon Redshift via COPY for analytics.

WordPress SAST + DAST Research (https://zenodo.org/records/19638502) - *Python, Security Auditing, Docker, Semgrep, WPScan*

- Conducted a systematic comparative security audit of WordPress 4.7.0, benchmarking SAST and DAST tool efficacy against a ground-truth CVE record to evaluate detection rates, false positive impacts, and necessary remediation workflows.

CERTIFICATIONS

- Databricks: Generative Ai Fundamentals, AWS, Cloud Technical Essentials, AWS: Data pipelines & Analytics, SEEQ Data Science, Kaggle: Python, Kaggle: Advanced SQL, Master Power BI Analytics & Dashboards with DAX (10 weeks)
- Google Analytics, Google Intro to Generative AI, IBM Accelerating Deep Learning with GPUs, OSHA, Claude 101

SKILLS

Programming Languages: Python, C, C++, C#, SQL, R, JavaScript, HTML, CSS, TypeScript, DAX

Libraries & Data Science: Pandas, NumPy, Matplotlib, Power BI, Tableau, Snowflake, DataGrip, Databricks, DBeaver, AI Agents / n8n

Frameworks & Platforms: .NET, Firebase, Flask, SEEQ, GPM, Docker, Supabase, Cloudflare, AWS, Amazon Redshift, Oracle

Tools & Environments: Git & GitHub, Visual Studio, JupyterLab, RStudio, Anaconda, Binary (x86), FlawFinder, Clang, Linux