

# Glenn Noronha

Amarillo, TX | 806-452-9271 | [glen.noronha@yahoo.com](mailto:glen.noronha@yahoo.com) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

**Software Developer** and **Data Analyst** with experience building full-stack applications and analytical tools using React, Python, SQL, R, Tailwind CSS, and PHP. Former **NCAA baseball athlete** who understands the impact of analytics on performance and team strategy. Interested in applying technical and analytical skills to support **baseball operations, player development**, and ultimately help teams win more ball games.

## EDUCATION

### West Texas A&M University

Canyon, TX

May 2025

Bachelor of Science in Computer Science, Software Engineering (GPA: 3.9/4.0)

- Organizations/Awards: **President's List, Dean's List, Academic All-American**

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, PHP, R, HTML, CSS

**Web Development:** React.js, Next.js, Node.js, Express.js (familiar), Tailwind CSS, Bootstrap, REST APIs

**Databases:** MySQL, PostgreSQL, SQL

**Data Analysis & Visualization:** pandas, NumPy, scikit-learn, ggplot2, matplotlib, D3.js, seaborn

**Version Control:** Git, GitHub

**Cloud & DevOps:** Docker (familiar), AWS (familiar), Vercel

**Development Practices:** Agile (Scrum, Kanban), Testing

## CERTIFICATIONS

### Data Scientist Associate (Python) – DataCamp

May 2025

## EXPERIENCE

### Andrews and Associates

Amarillo, TX

Software Developer

July 2025 – Present

- Developed and designed dynamic websites using **PHP, HTML, CSS**, and **MySQL** for clients across multiple industries, managing a portfolio of **100+** active production sites
- Designed and implemented a new server migration process, improving deployment efficiency, security, and long-term reliability
- Identified backup limitations and engineered external automated backups, improving data resilience and disaster recovery
- Integrated **APIs** to enable secure data retrieval and updates between client websites and external systems
- Improved page load performance and deployment efficiency through hosting, database, and configuration optimizations
- Ensured data integrity and query performance through management of **SQL** databases and **WHM/cPanel** server environments
- Created reusable templates and technical documentation to support scalability, onboarding, and consistent development standards

### AI Crop Yield Prediction

Canyon, TX

Data Scientist

January 2025 – May 2025

- Built machine learning models to predict crop yield using **10,000+** real-world observations combining weather, pesticide usage, and crop data from FAOSTAT and NASA POWER
- Cleaned and merged multi-source data using **pandas**, applying feature scaling and encoding to prepare data for modeling
- Compared regression models using **R<sup>2</sup>, RMSE**, and **MAE**, with **Random Forest** performing most reliably across crop types
- Visualized feature relationships and model behavior using **matplotlib** and **seaborn**, identifying temperature, pesticide usage, and crop type as key yield predictors

### Developer Portfolio Website

Canyon, TX

Full Stack Developer

December 2024 – February 2025

- Designed and developed a personal portfolio using **React, TypeScript, and Tailwind CSS** to showcase projects and skills
- Structured the application with reusable components and a clean project layout to support maintainability and future expansion
- Implemented a responsive layout using modern CSS utilities to ensure consistent behavior across screen sizes
- Deployed to **Vercel** using **CI/CD** workflows for fast, scalable performance across devices

## ATHLETICS

### NCAA Athlete

Canyon, TX

Baseball Player at West Texas A&M University

August 2021 – May 2025

- Competed in **NCAA Division II Baseball** while maintaining strong academic performance alongside year-round training
- Developed **teamwork, discipline, and leadership skills** through collaborative, high-pressure competitive environments
- Balanced **3+ hours** of daily training with academic responsibilities, demonstrating strong time management and goal-setting