

SAI POOJA REDDY PALLE

pallesaipooja@gmail.com | +1 706-780-9355 | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL EXPERIENCE

Data Analyst

Northwest Missouri State University

Maryville, MO

January 2024 - May 2025

Praxis Data Analysis: Reduced reporting time by 30% and provided clear insights into Praxis exam outcomes.

- Consolidated and analyzed 1,000+ records by executing 30+ advanced queries in Microsoft Access, ensuring accurate visualizations in Tableau and Power BI.

APR Data Analysis: Delivered actionable insights on academic program performance, enabling data-driven decision-making.

- Designed and developed 10+ dynamic dashboards in Tableau and Power BI, visualizing KPIs for 5 academic programs and summarizing trends effectively.
- Leveraged Microsoft Access, R, Python, Tableau, and Power BI for database querying and reporting.

Software Engineer

Higradius PVT LTD

Hyderabad, IN

September 2021 - September 2022

- Improved transaction processing speed by 30%, enabling the system to handle 10,000+ daily transactions efficiently.
 - Created and optimized batch processes using Java multithreading and concurrency mechanisms, ensuring high performance under heavy workloads.
 - Designed and developed backend services in Java to automate cash reconciliation and invoice matching, implementing business rules for deductions and adjustments.
 - Participated in daily Scrum meetings, sprint planning, and retrospectives to enhance team collaboration and project delivery.
 - Utilized Java concurrency libraries along with database optimization techniques to enhance backend development and ensure seamless integration with financial workflows using Java, SQL, and MySQL.
-

SKILLS:

Programming Languages: Java, HTML5, CSS3, JavaScript, Typescript, Node.js, linux, Haskell, Python, R, Linux, Node.js, Next.js, Swift, Kotlin, C, C++

Database: MYSQL, MongoDB, Access DB

Frameworks: Angular, Hibernate, React, Spring, Spring MVC, Spring Boot, REST API, Microservices

Tools: Git, GitHub, Maven, IntelliJ IDEA, Eclipse, Visual Studio Code, MySQL Workbench, MongoDB Compass, Jenkins, Express.js, Angular, Tableau, Power BI, Docker

ACADEMIC PROJECTS

School Bus Tracker

December 2024 - present

- Developed and enhanced a real-time school bus tracking web application by integrating live GPS APIs, improving tracking efficiency and reducing errors for parents and administrators.
- Tech Stack: JavaScript, HTML, CSS, MongoDB, GPS APIs

[GitHub](#)

Drug Addiction Counseling and Guidance System

March 2021 - June 2021

- Built an automated application for a drug addiction counseling center, accelerating response time and boosting user satisfaction with a user-friendly interface.
- Tech Stack: Java, HTML, CSS, MySQL

[GitHub](#)

EDUCATION

Northwest Missouri State University, Maryville, MO

January 2024 - May 2025

Master's in applied computer science

Relevant course work: Web Development, Data Analysis and Visualization, Artificial Intelligence

CERTIFICATIONS

- The Complete Oracle SQL Certification Course
- GoalStreet – Machine Learning with Python

[Certificate Link](#)

[Certificate Link](#)