

Dattatreya Gedela

📞 9652327202 ✉ anil.dattatreya5@gmail.com 🔗 LinkedIn

PROFESSIONAL SUMMARY

Experienced Software Developer specializing in **Backend Development**, **AI Integration**, and **Data Engineering**. Demonstrated success in delivering **high-performance solutions** within complex **enterprise environments**. Strong background in **problem-solving**, with excellent **collaboration skills** and a proven ability to work effectively within **cross-functional teams**. Consistently contributes to projects in **fast-paced, dynamic environments**, driving innovation and efficiency.

SKILLS

- **Backend:** Python, JavaScript, FastAPI, OAuth, JSON Web Tokens (JWT).
- **Data Engineering:** PySpark, Pandas, Polars, DuckDB, ETL Design.
- **Databases:** PostgreSQL, Neo4j, MongoDB, SQL Server
- **Web Technologies:** ReactJS, NodeJS, NestJS, GraphQL, REST APIs.
- **Development Tools:** VS Code, PyCharm, Jupyter, Postman, Swagger
- **AI & Machine Learning:** Langchain, OpenAI GPT-4, NLP.

EXPERIENCE

Software Developer
Xyenta Solutions

Oct 2021 – Present
Hyderabad

- **Data Engineering & ETL Systems**
Designed and implemented high-performance **ETL applications** utilizing **PySpark**, **Pandas**, and **Polars**:
 - Built optimized pipeline architecture for large-scale data processing.
 - Applied real-time monitoring for data processing operations.
 - Built a systematized data quality validation framework.
 - Developed parallel processing systems for batch operations.
 - Engineered custom connectors for legacy system integration.
- **Database & API Development**
Engineered robust database solutions using **PostgreSQL** and **Neo4j**:
 - Utilized **SQLAlchemy** and **Pydantic** for enhanced **data validation**
 - Designed and optimized database queries for high-volume transactions
 - Created scalable database schemas supporting large-scale operations
 - Developed automated migration systems for schema updates
 - Built comprehensive API documentation using **Swagger/OpenAPI**
- **Backend Development & AI Integration**
Architected and implemented **Text-to-DuckDB** agent in **Backend infrastructure**:
 - Engineered seamless integration of **Langchain** and **OpenAI** technologies for **natural language processing**.
 - Developed conversational interface for **DuckDB** operations
 - Engineered a context-aware query processing system to optimize data retrieval.
 - Created multi-agent architecture enabling intelligent database interactions
 - Constructed a computerized testing framework for **AI-powered features**.

EDUCATION

Siddhartha Institute of Technology and Science
Master of Technology in Computer Science and Engineering
Telangana, Hyderabad

Nov 2021 – Nov 2024
GPA: 8.5/10

MVSR Engineering College
Bachelors of Engineering in Information Technology
Telangana, Hyderabad

June 2018 – July 2021
GPA: 7.2/10

ACHIEVEMENTS

- Received **Star Performer Award** for outstanding contributions to **XFLOW** project (2023).
- Runner-up in **National Robotics Workshop** conducted by **NRC India**.
- Published research paper in **IEEE International Conference (ICCCNT 2024)**
- Certified in **PCB Designing** from **C-DAC Hyderabad**