



VENKATA SAI YAKKSHIT REDDY ASODI

Geneva, Switzerland

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Summary

Full Stack Developer with strong expertise in data-driven applications and visualization. Experienced in developing automated systems using Python and modern web technologies. Proven track record in creating efficient backend processes and user-friendly interfaces. Skilled in SQL, API development, and implementing machine learning solutions. Strong background in agile methodologies and cross-functional team collaboration.

Technical Skills

Languages & Frontend - Python, JavaScript, HTML5, CSS3, Plotly

Data & ML - SQL, Pandas, NumPy, Scikit-learn, Databricks

Backend & APIs - REST APIs, Flask/Django, Database Design

Tools & Practices - Git, Jira, Unit Testing, Agile/Scrum

Experience

Circleup AG

Full Stack Developer

December 2023 – July 2024

Zurich, Switzerland

Responsibilities:

- Developed data visualization dashboards using Plotly and JavaScript, improving process monitoring efficiency by 40%
- Implemented automated data processing pipelines using Python (Pandas, NumPy) reducing manual data handling time by 65%
- Created RESTful APIs for seamless integration between frontend and backend systems, handling 1M+ daily requests

Environment: Python, JavaScript, SQL, Plotly, Pandas, REST APIs

Cedzlabs

Software Developer

March 2023 – November 2023

Zurich, Switzerland

Responsibilities:

- Built machine learning pipelines using scikit-learn for predictive maintenance, achieving 90% accuracy
- Developed and maintained comprehensive API documentation, reducing onboarding time for new team members by 50%

Environment: Python, Scikit-learn, SQL, Git, Jira

Projects

Manufacturing Analytics Platform | Python, Plotly, SQL

2024

Description:

- Developed a comprehensive analytics platform for manufacturing process optimization. Implemented interactive dashboards using Plotly for real-time monitoring, integrated machine learning models for predictive maintenance, and created automated reporting systems. Reduced process inefficiencies by 35% through data-driven insights.

Tools: Python, Plotly, SQL, Pandas, Scikit-learn, Flask

Automated Recommendation System | Python, ML, APIs

2023

Description:

- Built an ML-powered recommendation system for process optimization. Implemented RESTful APIs for data access, created visualization tools for performance monitoring, and developed automated testing suite achieving 95% coverage.

Tools: Python, scikit-learn, REST APIs, Pytest

Achievements / Technical Expertise

- Reduced system processing time by 70% through optimization of SQL queries and data pipelines
- Implemented automated testing framework achieving 95% code coverage
- Successfully delivered 3 major projects in agile environment using Jira for project tracking

Methodologies: Agile Development, Test-Driven Development, CI/CD

Education: Bachelor of Technology in Computer Science, Bth Sweden (2019-2023)

Languages: English - Fluent | German - A1 Level