# Karanki Nikhil Sai

**Data Engineering Analyst**

Guntur, AP, India · +91 93817 82476 · nikhilsaikaranki1@gmail.com · LinkedIn · GitHub

## PROFESSIONAL SUMMARY

Detail-oriented Data Analyst & ETL QA Engineer with 2.9+ years of experience in validating large-scale data pipelines, analyzing data rejections, and automating reporting using Python, SQL, Talend, and AWS. Known for delivering quality results, reducing manual effort through automation, and collaborating closely with QA and client teams. Passionate about AI, process optimization, and data quality improvement.

## EXPERIENCE

**Accenture – McDonald's — Data & ETL Testing Analyst**
Sep 2022 – Present (Promoted Feb 2024)

- Streamlined daily data validation using SQL and Redshift, investigating 500+ records weekly
- Automated reporting with Python scripts, reducing manual time by 70%
- Executed 50+ daily Talend jobs via TMC, ensuring 99% pipeline stability
- Implemented regression testing protocols for job upgrades across environments
- Optimized workflows using S3, Athena, and PUTTY, reducing validation time by 40%
- Enhanced scheduling efficiency by configuring Airflow DAGs
- Collaborated with teams using JIRA/Confluence, delivering 100% sprint commitments

## PROJECTS

**Sales Performance Dashboard**
Power BI, DAX — Jan–Mar 2024 — GitHub

- Built dynamic dashboard with KPIs, improving decision-making by 30%

**AI Edu Assist Chatbot**
Django, OpenAI API — Sep 2024– Jan 2025 — GitHub

- Built engineering assistant with keyword/regex scope gate and system prompt
- Shipped MCQ quiz generation and auto-grading with strict JSON parsing
- Achieved 85% accuracy and 60% faster responses through OpenAI SDK v1 migration

**Cricket Website Prototype**
Flask, Python — Aug 2025–Present

- Building web app with ChatGPT for AI-generated player analytics

**Error Monitoring Automation**
Python, SQL — Dec 2024–Jan 2025

- Automated validation tasks, eliminating 60% manual effort

## EDUCATION

**Vignan's LARA Institute of Technology**
BTech Computer Science — Jun 2018 – Jun 2022 — CGPA: 8.09/10 — Guntur, AP

## TECHNICAL SKILLS

**Languages**
Python, SQL, DAX, HTML

**Data & BI Tools**
Power BI, Tableau, Excel, Dashboards

**ETL & Cloud**
Talend ETL, Redshift, S3, Athena, Airflow, PySpark (Learning)

**Testing & Development**
Regression Testing, Django, Flask, Git, CI/CD (Basic)

**Data Platforms**
Databricks (Learning), Snowflake (Exploring), SSMS, DBeaver

**Project Management**
JIRA, Confluence, Agile

**AI & Automation**
ChatGPT, Prompt Engineering

## CERTIFICATIONS

- Microsoft Power BI Data Analyst Associate (2023)
- Databricks Data Engineer Associate (Expected: Sep 2025)

## ACHIEVEMENTS

- "Star of the Sprint" (2x): Exceptional performance recognition
- Client Appreciation: Proactive insights and communication
- Efficiency Gains: 70% automation improvement in reporting
- Process Optimization: Cut daily tasks from 1.5hrs to 20mins

## FUTURE GOALS

- Grow into roles involving AI-based automation, Data Engineering, and Prompt Engineering
- Continue exploring LLMs, building Python-based tools, and improving automation workflows