



SANJANA RAO

Experienced Backend Developer with 4 years of multi-project expertise in Java, Python, and HQL. Skilled in crafting efficient, scalable solutions for backend architectures to enhance application performance.

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EXPERIENCE

Senior Engineer, Target

AUG 2020 - PRESENT

- Backend Engineer at Target, dedicated to enhancing the retail experience for guests.
- Optimized Product Grouping: Enhanced product categorization on the Target website, resulting in significant improvements in conversion rates and repeat purchase rates. Applied clustering techniques to develop more effective product groupings.
- Revenue Recovery: Analyzed and resolved issues with unidentified barcodes, mitigating a revenue loss of approximately \$XX million.
- Data Quality Tool Development: Enhanced a data quality tool with robust rules to ensure the accuracy and consistency of item data.
- Application Management: Managed multiple applications, leveraging cross-product collaboration and microservices architecture to drive product success and operational efficiency.
- Leadership and Best Practices: Collaborated closely with product and business teams to design and deliver impactful solutions. Led the team in adopting best practices, implementing continuous integration and delivery processes, and fostering a collaborative environment to promote innovation and achieve project goals.

Tenovia, Intern

JAN 2020 - MAR 2020

- Worked as a data engineer; extracted data using Facebook Ads API to be inserted into a cloud warehouse using Snowflake.
- Worked on AWS services such as S3, Lambda and Athena.

EDUCATION

PES University, B.E Computer Science Engineering

AUG 2016 - JUL 2020

- 8.5 GPA

Lourdes Central School, CBSE

2014 - 2016

- 94%

EXTRA CURRICULAR

- Active member of Rotaract Palmville Club - taking part in multiple activities in giving back to the community and upgrading professional skills
- Scored distinction in Indian Classical Bharathanatyam Junior exam with 88%
- Scored distinction in KSEEB, Indian Classical Carnatic Music junior with 83%

HOBBIES



SKILLS

Backend Application Development
Data Analysis and Data Quality
OOPs concepts
Design Principles
Database Management Systems
REST APIs
Machine Learning
Data Structures and Algorithms
Debugging and Deployment

LANGUAGES

Java - Advanced
Python - Advanced
SQL/HQL - Advanced
C/C++ - Intermediate
Kotlin - Beginner

FRAMEWORKS

Springboot Microservices
MongoDB, Postgres
Hive
Pandas, TensorFlow, NLTK
Scikit-Learn, Matplotlib
Apache Kafka
Flask
PySpark

TOOLS

IntelliJ
Elastic Search
Jupyter Notebooks, Jupyter Labs
PyCharm