



# SANJANA RAO

Experienced Backend Developer with 4 years of multi-project expertise in Java, Python, and HQL. Passionate about 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.
- Analyzed and resolved unidentified barcodes, addressing a revenue loss issue of approximately \$XX million.
- Optimized and managed product grouping on the Target website, leading to improved metrics like conversion rate and repeat purchase rate. Also utilized clustering techniques to suggest effective product groupings.
- Developed a data quality tool, implementing rules to ensure the accuracy of item data.
- Managed multiple applications, leveraging cross-product collaboration and microservices architecture to bolster the success of the products.
- Gained valuable corporate and technical skills while working in a high-performance team as well as on multiple side projects encouraged by Target.
- Contributed significantly to Target's retail ecosystem and continued professional growth.

### 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  
PyCharm  
Jupyter Notebooks, Jupyter Labs  
PyCharm