



# 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.

+91-9741450217

[sanjkr Rao@gmail.com](mailto:sanjkr Rao@gmail.com)



## 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