



# SANJANA RAO

Experienced Backend Developer with 5+ years of multi-project expertise in Java, Python, and HQL. Skilled in crafting efficient, scalable solutions for backend architectures to enhance application performance.

[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.
- 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

Overdue - Sanjana did a fabulous job representing Virtual Bundles at Tech Demo Day. Presenting well and navigating multiple questions. Good Job with a successful session



Marianne.Lawrence 11:14 AM

Hey Sanjana,

You've dropped a big bomb in the standup. Your expertise and contributions have made a significant impact, and you will be truly missed on the team.



Anooj.Poozhikuth

To: SANJANA.RAO; Cc:

Retention: Inbox Expires: 01/07/2026.

Dear Sanjana,

Thank you for the email. I am really sad to see you go. You've been a great engineer and a valued team member—it's truly a loss for us.

Sanjana for stepping in and remediating the NUA noise understanding the root cause



Buy me a coffee



Jyothsna bought a coffee

Babe!!! This is so freaking cool!!! I watched it on laptop and phone. Loved it on both 🥹🥹🥹. Freaking awesome is what thou are!!