

# Ravi Tarun Shyam

Address - Karl Marx Str. 13D, 03044, Cottbus, Germany

+4917628912313 | [iamtarunshyam@gmail.com](mailto:iamtarunshyam@gmail.com) | <https://www.linkedin.com/in/r-tarun-shyam/>



## Education

### Brandenburgische technische universität (BTU)

Cottbus, Germany

MSc in Artificial Intelligence (Research Oriented)

November 2023 - Current

- Fachschaft AI - Public Relation and Event coordinator for A.I. student body of BTU.
- Led a 4-week workshop on Natural Language Processing.
- Modules:** Image Processing and computer vision, Information Retrieval, Cognitive system Behaviour, Experimental Techniques in physics.
- Skills:** Matlab, Simulink, Python (Numpy, Pandas, Matplotlib, Scikit, Opencv), statistical computing using R, SQL, Unreal-Engine.

### SRM institute of science and technology

Chennai, Tamilnadu, India

Bachelors in Computer science and engineering

June 2014 - November 2019

- Participated in MUN conference at Delhi representing Kazakhstan.
- Ideated and developed a start-up at university incubator.
- Bachelor Thesis:** Augmented reality based virtual cursor and keyboard

## Work Experience

### ZF FRIEDRICHSHAFEN AG

Chennai, Tamilnadu, India

Process Mining Engineer

June 2020 - November 2023

- Deployed 5+ end-to-end projects in business areas - Procurement and Finance using Business intelligent (Process Mining Technology).
- A strong understanding of transactional data structure in source systems - SAP, PWC, Salesforce, Azure data lake, SQL DB, Snowflake.
- Expertise in handling Big Data CI/CD and ETL frameworks in Azure data factory and Data Manipulation using Python and SQL in Databricks.
- Technical Skills:** SQL, Data manipulation, EDA and ETL using Python, Kafka, CI/CD Pipelines, Data Modeling, Data Warehouse, API, SMTP, JSON.
- Application:** QPR, Celonis, SAP, Signovia, SAP dataverse, Azure platform, Denodo, Knime, Databricks, Powerbi, ChatGPT, Git, Jira

### Lanson Toyota

Chennai, TamilNadu, India

Sales officer

October 2018 - December 2019

- Worked in sales environment to meet customers and drive product sales and share USP knowledge.
- Discovered the target markets and Analysed different methodologies for sales, imbibed them into the strategies to reach target sales of the year.
- Soft Skills:** kaizen, Genchi Genbutsu, Communication, Time Management, Highly Motivated.

## Projects

### Continuous monitoring system

Chennai, Tamil Nadu, India

ZF FRIEDRICHSHAFEN AG

April 2021 - July 2021

- Business Area:** Procurement.
- Problem Statement:** As the procurement order increased post pandemic, process compliance started to decrease. Many at times the Procurement approval process and SLA are unattended. A guardrail needs to be established for monitoring.
- Solution:** Compliance analysis - The process flow of an expected business process flow is mapped in BPMN and compared with real-time business transaction. This comparison resulted in a dynamic dashboard depicting process violation and associated root-causes (**cluster analysis**).
- Success story:** After implementation the process compliance was maintained above 75 percentage.

### Early warning system

Frankfurt, Germany (Remote)

ZF FRIEDRICHSHAFEN AG

March 2022 - June 2022

- Business Area:** Finance.
- Problem Statement:** To monetize Dunning Charges in accounts payable, cash discount lost needs to be tracked and reported well in advance.
- Solution:** An **Early warning/ Predictive system** was created to monitor time Span of current date, due date and its corresponding payment term of a document number. The aging report is visualized in a dashboard and a report is shared via email before each payment cycle.
- Success story:** The Q3 2023 reported 46 percent reduction of Dunning charge and Duplicate monitoring system was proposed to business.

## Achievements

- 2022 **Winner**, Innovative project of the year at ZF
- 2021 **Elite**, ZF-FIX Performer of the month - June
- 2017 **Runner-up**, Smart India Hackathon (SIH)
- 2012 **3rd place**, Representing high-school football team at the District level

India

India

India

India