# Jithin **M**

AI Engineer · Data Scientist

*Kollam, India -691010*

✉ jithinmkp94@gmail.com   GitHub   in LinkedIn

## **Edu**cation

### M.Tech in AI and Machine Learning
*Kerala, India*

T.K.M College of Engineering, (Kerala Technological University)
*2020 - 2022*
- CGPA score = 7.97

### B.Techn in Electrical and Electronics Engineering
*Kerala, India*

Jawahar College of Engineering and Technology (Caclicut University)
*2011 - 2015*
- CGPA score = 9.67

## **Wor**k Experience

### Senior Engineer
*Trivandrum, India*

Tata Elxsi
*Aug 2022 - Present*
- Developed an autonomous navigation system using reinforcement learning, leveraging ROS, and Gazebo.
- Built multiple chatbots for sentiment analysis, question-answering, and text summarization using Hugging Face Transformers, fine-tuning pretrained models like BERT, RoBERTa, and DistilBERT, deployed via a userfriendly Streamlit interface.
- Developed specialized dashboards for Jaguar Land Rover (JLR), leveraging BigQuery, Tableau, and Python to empower Subject Matter Experts (SMEs) in monitoring and addressing system deviations effectively.
- Designed a navigation page in Tableau Online to streamline access to multiple dashboards, enhancing user experience, and efficiency.
- Developed multiple machine learning models for MHEV (Mild Hybrid Electric Vehicle) DC-DC fault prediction, leveraging one-class SVM, and various binary classification techniques. The models were designed to predict potential DC-DC converter failures, a crucial component in electric and hybrid vehicles, by analyzing operational data and identifying early signs of failure.

### Junior Professor
*Bern, Switzerland*

University of Bern
*1908 - 1909*

### Technical Assistant
*Bern, Switzerland*

Federal Patent Office
*1902 - 1908*

## **Awa**rds

### Best Outgoing Student

Best Outgoing student of EEE batch
*2015*

Class second in Mtech AI Batch 2020-2022
*2022*

## **Ski**lls

### Languages

German (Native), English (Fluent), French (Intermediate)

### Programming Languages

Python, C++, Fortran

### Markup Languages

Typst, Quarto, LaTeX