

# Jananth Nikash K Y

## Full-Stack AI/ML Engineer

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Github – LinkedIn

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## Experience

### Software Engineer

Tata Consultancy Services, Chennai  
February 2022 - Present

- **Data Engineering**

- Focused on creating datasets to support a trained model for output prediction. The project involved data preprocessing, transformation, and integration to ensure the model received high-quality input.
- This process improved accuracy, enabling the prediction of meaningful and actionable insights effectively.

- **ContAI**

- Pioneered ContAI's Container Tracking System, optimizing global logistics.
- Seamlessly integrated GenAI APIs, enhancing system intelligence and global deployment.

- **Safety Stock Solution for Warehouse Management**

- Developed a safety stock solution utilizing Angular for the front end, FastAPI for the back-end, and Apache Beam pipeline for data processing.

- **Scot-IP**

- Designed and implemented Scot IP's UI, ensuring a seamless and secure user experience.
- With the Key Cloak integration, successfully cleared the IP-Safe process and with the help of the team it has been patented.

- **Other Projects:** Worked on deployment projects using Azure Virtual Machines, managing configurations, scaling, and ensuring smooth application performance and availability.

## Major Technologies Used

- **Front-end:** Angular, Three.js, Bootstrap
- **Back-end:** Python (FastAPI, Flask), Apache Kafka, Beam
- **Database:** PostgreSQL, H2Database (Repos: Azure, Git Lab)

## Skills

Angular — Python — Flask — FastAPI — Typescript — JavaScript — Git/Github — Three.js — Devops — ADL — MLI — Kafka — Beam — GenAI — PostgreSQL — Bootstrap — HTML/CSS — Latex

## Education

### B.E. Electrical and Electronics Engineering

Arunai Engineering College  
7.56 CGPA

## Personal Projects

### Developed Customizable D3.js Chart for Dynamic Data Visualization

Developed a dynamic D3.js chart for personalized data visualization. Interactive, customizable, and user-friendly, showcasing proficiency in front-end development and data visualization.

### Version controlled resume

The resume you are viewing right now is this project. Resume as code and can be version controlled which is built using TeX.

## Achievements

- **ContAI Project Recognition at Tata Innovista and Patent Achievements**

Tata Innovista awarded ContAI project contributor for front-end and deployment in Piloted Technologies. Key role in patent acquisition, demonstrating a commitment to technological excellence across all project aspects.

- **Scot IP Project: Patent Approvals and Successful IP-Safe Process**

Contributed significantly to the front end of the Scot IP project, including authorization, security, and successful TCS IP-Safe clearance. Important in obtaining patents and demonstrating commitment to innovation and project quality.

## Courses

- Angular - The Complete Guide, Udemy, 2023
- Restful API with Flask, Udemy, 2023
- Python + AI Crash Course, Udemy, 2024