

# Kunaal Kiran Kumar, B.Eng.

Embedded Design Engineer | M.Sc. INFOTECH @ University of Stuttgart (April 2026 - Present)

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Permanent Address : Bangalore, Karnataka, India  
Current Address : Stuttgart, Baden-Württemberg, Germany

## Experience

- **Flo Mobility Pvt. Ltd.** July 2024 - Jan 2026  
Role: Embedded System Lead  
Project - Material Movement Robot - A robot designed for transportation of materials on construction sites of over 500kg, with remote-controlled as well as autonomous operation
- **Department of Design and Manufacturing, Indian Institute of Science**
  - **Asst. Embedded Design Engineer** November 2023 - June 2024  
Project 1: Lead Firmware Engineer - Life Box, an organ preservation and transportation device  
Project 2: Assistant Firmware Engineer - InsuFlo, an Insulin Pump for Type-1 Diabetic Patients
  - **Asst. Embedded Design Engineer** August 2023 - October 2023  
Project 1: Firmware Intern - Life Box, an organ preservation and transportation device
- **Inverted Energy Pvt. Ltd.** February 2023 - July 2023  
Intern, R&D Team - Electronics  
Project - USB to CAN Converter - Accessory for CAN Communication with PC User Interface

## Education

**M.Sc. Information Technology**  
Specialization: Embedded Systems  
University of Stuttgart | 2026-Present

**B.Eng. Electronics & Computer Science**  
Specialization: Embedded Systems and IoT  
Chitkara University | 2019-2023

**Senior Secondary (High School)**  
Specialization: Science and Computer Applications  
St. Joseph's Pre-University College | 2017-2019

**Secondary (Junior High School)**  
Specialization: Science and Economics  
St. Joseph's Boys' High School | Batch of 2017

## Projects

More information about my projects and contributions are on my portfolio: [www.kunaalkk1.com](http://www.kunaalkk1.com)

**LifeBox - An organ procurement and preservation device: 2024, IISc Bangalore**  
**USB to CAN Converter - Accessory for Battery Management Systems: 2023, Inverted Energy Pvt Ltd**  
**Eye Gaze and Squint Prediction Device and Machine Learning Algorithm: 2022, R&D Project: CURIN**  
**Multi-controller communication (ESP-NOW) to control traffic lights, 2021, Smart India Hackathon**  
**Web-based Hospital Automation System on Google Firebase, 2020, B.Eng.: Engineering Project**  
**IoT-based Smart Farming System on Google Firebase, 2020, B.Eng.: Engineering Project**

## References

**Mr. Alok Mishra**  
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