

# PUNEETHRADDY M R

## Technical Lead

📞 9994713313    ✉️ puneethraddy@gmail.com    🔗 [Linkedin](#)    🔗 [Github](#)    📍 Bengaluru

PR

## SUMMARY

- **Technical Lead** specializing in **software development, embedded systems, and ADAS Level 3 automation**.
- Proven expertise in leading **high-impact projects** in **fixed network solutions** and **automated driving technologies** at **Nokia and Bosch**.
- Skilled in **system architecture, clean code principles, multi-threading, and data optimization** to enhance software performance.
- Experienced in **developing high-performance solutions, mentoring teams, and driving innovation** in **automated driving and telecom technologies**.

## EXPERIENCE

### Technical Specialist

#### Bosch

📅 05/2022 - Present    📍 Bangalore, India

Automated driving assistance Level 3

- Led the development of the **Quick Reaction** feature using **AEB** for **ADAS L3** systems, ensuring a reaction time of **5ms**. This feature is capable of handling both static and dynamically interfering objects on the road.
- Orchestrated **collaboration with onsite teams**, ensuring seamless integration of **Quick Reaction AEB** into the **software pipeline**.
- Worked on a **read-optimized data handling framework** using **HDF5** to improve data access efficiency for automotive datasets.
- Implemented an **Auto-Converter** for upgrading **legacy interface recordings** to the **latest versions**, ensuring seamless data compatibility.
- Took full ownership of **Deterministic Open Loop (DOL)** tool for **automated driving validation**.
- **Driving** a team of 8 Engineers in **AI/ML competency development** while actively learning to **integrate advancements** into current and future projects.

### Software Developer

#### Nokia

📅 06/2016 - 05/2022    📍 Chennai, India

Leading developments in fixed network telecom solutions

- Key contributor to the **architecture design and implementation** of a **high-density vectoring** feature, deployed in a world-first implementation. This feature **doubled** network user density from 192 users to 384 users per system without requiring **substantial additional hardware** or **new hardware designs**.
- Led **code quality assurance**, conducted **architectural reviews**, and provided **training for new joiners**.
- Developed **feature back-porting** from **advanced releases** to **older versions**, ensuring compatibility.
- Designed and implemented **features for a 48-port standalone box**, optimizing performance and reliability.

## KEY ACHIEVEMENTS

**High Density Vectoring Feature** worlds first deployment - **Nokia**.

**Department top performer** award for quick reaction with **AEB development** - **Bosch**.

**Developed and deployed the Auto-Converter**, streamlining **ADAS L3 testing efficiency** - **Bosch**.

## SKILLS

**C++14**    **STL**    **Multi-threading**

**Python (Basics)**

**Design Patterns**    **Clean Code**

**Code Review**    **OOP**

**ADAS**    **HDF5**    **Middleware**

**Raspberry Pi**    **Linux**    **Git**

**BAZEL**    **CMake**    **Unit Testing**

**TDD**    **Debugging**

**Agile**    **Machine Learning (Basics)**

## CERTIFICATION

**Advanced clean code and code review process -classroom training**

## EDUCATION

**M.Tech in Embedded Systems**

**Vellore Institute of Technology**

📍 Vellore, TN

**B.Tech in Electronics and Communication**

**Basaveshwar Engineering College**

📍 Bagalkot, KA